

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
4751	35119	A	4792	3	1426	RRYDELQNSSGRDGKPRAMAV TRSTSSTSSGSNSNVLVPVSWK RPQYSQKRAKEKL VHVLSLCC QEVGLSKNPSVIFSSCGDLDLLE HQTSLVSSSEDGAREQENMDDT NSEQQFRVFRDFDFLDVELEDG EELQGESMDNFNWGVRRRLSD SLDKCDMQILEERQLSGSTPSL NKMHHEDFDESSEEDLTASQI LEHSDLIMTLSPSEETNPMELLT TACDSTPPEPHSFNTRMSSFDAS LPDMNNLQISEGSKAEAVREE EDTTVHEDDLSSINELPAAFEC SDSFSLDMTEGEEKGNRALDQF TLASFGEGRGVSPPPSPFFSAI LAAFQPAACDDAEAWRSHIN QLMCDSDGSCAVYTFHVFSLLF KNIQKRFCFLTCDAASYLGDNL RGIGSKFVSSSQMLTSCSLDKL KFSVLELQEYLDYNNRKEATL SWLANCKATFAGGSRDGVITC QPGDSEEEKVIKAC
4752	35120	C	4793	60	164	
4753	35121	B	4794	44	2547	
4754	35122	A	4795	401	9546	PRADITTCDDRITPGTCRPLPV LPASLYAADMASQQDSGFFEISI KYLKSWSNTPSPVNGYIKPPV PPASGTHREKGPPTMLPINVDP DSKPGEYVLKSLFVNFTTQAE KIRIIMAEPLKPLTKSLQRGED PQFDQVISSMSSLSEYCLPSILRT LFDWYKRQNGIEDESHEYRPT SNKSKSDEQQRDYLMEERRDLAI DFIFSLVLEVLKQPLHPVIDSLI HDVINLAFKHFKYKEGYLGPN TGNMHI
4755	35123	A	4796	2	6107	GERKPKIDLFRTCVAAIPRLLPD GMSKLEIDLARLSIHMDDEL RHIAQNSLQGLLVDFSDWRED VLFGFTNLLREVNDMHHTLL DSSLKLLLQLLTQWKLVIQTQG KVVEQANKIRNSEARDLELDV GVDVDVGVDVDADVDVDVDL GVDVDVGVDVDADVDVDVD MGVDVDVDRIYGFCKCGCDR DVDRVVDVDVDIDVDVDVDM DVNIDVDVGLGAGVDVDMDV HIDMDMDVDIGSDNQLQSALRR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
4756	35124	A	4797	3	565	MLPGHLFLAKAGKEEQEEKG QHTRKTITPQNIPGGAHITATH RGRCTVATKFSGGGLCKEPNRLT WY/GPPLKGAHGGGR/GPSSRVPS FPAAGQPPIGGALHGAGSRGLA RTRAQLGGPPGGELRGTSNGG DGQGGPDGDSRKSGLRPSHL/P DPAAVAGAPVSGHLQTPGHHA GRRQQAGPRGAGLP
4757	35125	A	4798	1	417	
4758	35126	A	4799	1	1069	MPRPVPPANALGARGEAVRLG LQGEELRLQEVSVRLHQINYL SDRISLHRRLLPVRWNPLCKEKK YDYDNLPRTSVTKAFYNEAWS TLRLTVYSVLETSPIILLEEVIL VDDYSREHLKERLANELSGLP KVRLIRANKREG/LVRARLLGA SAARGDVLTFLDCHCECHGW LEPLLQRIHEEESA VVCPVTDVI DWNTEYLGNSGEPQIGGFDW RLVFRWHTVPERERIRMQSPV DVI RSPTMAGGLFAVSKKYFEY LGSYDTGMEVWGGENLEFSFRI WQCGGVLETHPCSHVGHVFPK QAPYSRNKALANSVRAAEVW MDEFKELY YHRNPRARLGLAC DECSIKAGWWL
4759	35127	A	4800	1	1152	MHNSDGIEVMRQQAIEIGRVG GLEGIQLGVTEIVNGARMLES YNCKAELGATGLVNYQISVKC SNQFKLEVYLLNAENKVVNDQ AGTQGGQLKVLGTNLWWPYLM HEHPAYLYSWEGRPDGAQAVG ALTPGTLAVIEVWLTAQKSLGP/ SDFYTLPVGLRTVAVTESQFLIS GKPFYFHGVNKHEDADIQGGK FNWPLLKDKFNLLCWL GANTF CTSHYPYTEMLQICYRYGIVVI DECPAPS GHTGPSVPSLLARW QLFN NVSMHHHMMWVVEEVL RDKNHPAMVMWSLAKEPASFL ESAGYSFKSLTMEQ TARVLDLD TGEAVLQYRSRPRGAHKTLGK KRKISSYNVDLTSCQLAKEKCL KGPSSFLQSRQERMNSEL RDN
4760	35128	A	4801	293	535	
4761	35129	A	4802	94	686	
4762	35130	B	4803	1	2187	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
4763	35131	A	4804	596	1789	MFHVIERPYECKECGKNFRSGY QLTLHQRFHTGDIHKGKGPYEC KECKKTFTLYRNLTRHQNIHTG EKLFECKQCGKTYTTGSKLFQH QKTHTEKPYECKECGKAFTSL YGYLKQHQKIHTGMKHFECKE CKKTFTLYRNLTRHQNIHTGKK LFECQECGKAYSTGSNLJQHRK THTGEKPYKCECGKTFSLHG YLNQHQKIHTGVKPYECKKIHT GGKPYECKECGKAFTSRASNLV QHERIHTGEKPYVCKQCGKTFR YGSALKAHQRIHRSIKVNQWL DSPRHKSINCDPMSPRTRKTRE RSHVSGRSLCQRLLGQGAQLRE FKQPPNRFRRCVGLVARNTFP RGLRGRASRRNAASRLEDA VAELLKARCSALGSGSGLPEGLS
4764	35132	A	4805	2	489	CQEGAKWEQGMTGRRVWVG PPASSTPPHS/HFWLLVLSRGLV GIGEASYSTIAPTIGDLFTKNTR TLMLSVFYFAIPLGSGGLGYITGS SVKQAAAGDWHCALRESFLQLV RLLKVTHLLQQLQLLYPTNGK RQDTNHTRSQCAHYLPHLDFQ VALCAYAVLQC
4765	35133	A	4806	1	327	
4766	35134	A	4807	899	1219	ANRKASTMRWYVRPFCSGLST LSREKLYPLRLMRASTGPLS GALGMYSTASPRLMFSGCSISS AR*LFRSSAVTMPAAWMSFTI WAVRLPL*KAWAPSMASVS
4767	35135	A	4808	2152	2633	SRLDCGQGLVNGSCDYHHGCT GDTPRRPEWHRSLAHCMSPPV SLPGCAVSGSSDPWEVSWLWQ QVDRCDNREE/VMW*QRLGFP SPTVSFPQRAVSASKPLQ*APS WISLHSTLSQCRASDLRGRHTV PEVVVYWSPCALPTHREHPNAI MEGWPPPQAWWA
4768	35136	A	4809	2	387	SNASVILEGEDLRFSCSVMAG RLQGRFSVIWQLVDRQNRKSDI MWLDR/DGTVQPGSSYWERSSE GSVQMEQVQPNFSGLGIFNSRK EDEGQYECHEVTEWVRVVDGE WQIVGERRASTPISIALGE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
4769	35137	A	4810	46	3753	EIRSWEKRRRLVLCLEAADM KCFFPVLSCLAVLGVVSAQRQV TVQEGPLYRTEGSHITIWCNV GYQGQPSQNFQWSIYLPSSPER EVQIVSTMDSSFPIAIYTQVRV GGKIFIERVQGNSTLLHITDLQA RDAGEYECHTPSTDKQYFGSYS AKMNLVVIPDSLQTTAMPQTL HRVEQDPLELTCEVASETIQHS HLSVAWLRQKVGEKPVEVISLS RDFMLHSSSEYAQRQSLGEVRL DKLGRITTFRLTIFH
4770	35138	A	4811	1	3728	MKCFPPVLSCLAVLGVVSAQR QVTVQEGPLYRTEGSHITIWCN VSGYQGQPSQNFQWSIYLPSSP EREVQIVSTMDSSFPIAIYTQVR VRGGKIFIERVQGNSTLLHITDL QARDAGEYECHTPSTDKQYFG SYSAKMNLVVIPDSLQTTAMPQ TLHRVEQDPLELTCEVASETIQ HSHLSVAWLRQKVGEKPVEVIS LSRDFMLHSSSEYAQRQSLGEV RLDKLGRITTFRLTIFHLQPSDQ GEFYCEAAEWIQDP
4771	35139	A	4812	897	1217	ANRKASTMRWYVRPFCSGLST LSREKLYPLRMLRMRASTGPLS GALGMYSTASPRLMFSGCSISS AR*LFRSSAVTMPAAWMSFTI WAVRLPL*KAWAPSMASVS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
4772	35140	A	4813	1	1507	MWNSKINHDIIDDOFLKTYTVL ESSISVGVASNASVILEGDDDLRF SCSVRMAGRPOQGRFSVIWQLV DRQNCRSNIMWLDNRDGTVQPG SSYWERSFFGSVQMEQVQPNF SLGIFNSRKEDEGQYECHEVTEW VRVVDGEWQIVGERRASTPISII ALEMGFAVTAISRTPGVTSYDS FDLQCIKPHYPAQVPVSVTWR FQPVGTVEFHDLVTFTRDGGV QWGDRESSFRTRATEKAESSN NVRLLIRASDTEAGKYQCVAE LWKNYNNTWTQLAERTSNL LVIRVLQPD RMGVSARALRGEP SPSQMPQACCHGNTGALVIGIN EPESLPCLQTVTKLQVSKSKRT LTLVENKPIQLNCVSKSQT SQN SHFAVLWYVHKPSDANGKLIL KTHNSAFEYGTYYEEGLRAR LQFERHVSGLDLSLTVQRAEWL LSPNYAWYKLAEVSGRTEVT VKQPGGSLGLGCSVSGWAAEP VCTQGRPCSWNTPLALTAAC
4773	35141	A	4814	1	627	
4774	35142	A	4815	166	435	
4775	35143	B	4816	1	240	
4776	35144	A	4817	1	288	VVPASSPGAASEPRRRRCLQP EKSVPSPGGGHRDPPKARPPR PPSAPKP*RP RPFS*LARSLCFPA AGCAYGVGVGGAGGGRAGLR QVPVPAVAE
4777	35145	A	4818	206	1041	VSVGSAPSDMPAAATRW/CNSR COHQRLSAR/PVAGPGT/RTSS FPWLA PRNVVPGSLEMPGTA GPORGSHSSPQSSALLSFS/CV HNVESKEPVCLLLPSMASRLT PRGTCRPVPGCLQHPLSLPPVL VGTQSPSQAPKSARKPSQPQL GWLQLHPGSGSLCLLPAPAGS MECAALESVPSQLGIGAPGPCW AQAGVQGWNSVATSSSPGSA QGQPRAPPCLVCGPAQCGTSGS RSRATGLRPSCLECQVWWSQV CGANPGDTTSSQDAGTRCSKV
4778	35146	A	4819	2	487	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4779	35147	A	4820	152	758	RGARGPEWDGQLDGPQSGMC GMAAPRLRRSGVRAAAGHPV QQPRLLDGLSLTDESDSCVSFEP PSHPSSSSGPVTALSRGWNFLK AFPLMGETQERER/VLTHFSRR YQCQNPDAQPSDEGHI/TLTCA LMLLNTDLHGHVIGEVGTETN RTDKQQNRTEQSKRQANADKH NEHANNEQQHEHDKDNDTRTR DTEMRHAKRDNA
4780	35148	A	4821	100	220	
4781	35149	A	4822	100	1588	CLKISTGYTGSMFAEEASGNLTI MAEEGEAGTSTHGQSRKRRE KEEVLHPFKQPDVRSYRENS KEEICPHDSVTSQITPPPTLGITI RHEIAASICHVADTAGVAGDA MMRKTDLIPPFIGLTLQGGRA DMGNQKKWRKGSENLATLVA MASERFHWQYSGNSTIQPKQK QHGMITRLVTAAPVCPGLVQPSL CAVGLRNIMSLSSHTCALQNTK QAWEGYDDCHSQRVSQGEN MTKLFLNLLNQMPSWGEGKM VPADFGSGCWEGTGTGSPAGSQ VSFLNRHNDGQLAGDSPGLPPP PCPRGLQGAEQRSALRRHKAD VHRDQWLVISFSKKLRTSARK WYEAGPFGVPRVLPAQAQGG TDFPFSPSEEPFQSPFSMVQAH TVRSKPQFHFAAGENCNLRSE LSRNQGLQARVGPLAIMSSDPS GDFVLYTPTILGVGLEVLVSR EGTFLWRYSTCP/LNYKLWLP GYLGLLVPKDQKVRAVFLGM
4782	35150	A	4823	1329	1881	AHLEAAGWSSSVQPGSPRVLG RAEEHQSGRAKEIGHKIPKE TFDELTALETISSK/CLYLAKK NQVIQELLSMKEVQKCKKL EEVKNILEQEVVNLKTHEKNM VEFGDVEECKLQLEERAGQEI KLEEINLQRACLSAKKVRAEGE LEPRRHHNHLTGFTGFWGLM SVITGAYDLIR
4783	35151	A	4824	176	308	LGNLTSPPFN*KHRSTKGTFTLS TVALLTLGHVGKITSNCHPGY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4784	35152	A	4825	1467	1890	DWFDeltaETISSKICLYLAK KNQVIQELLSSMKEVQQCKK LEEVNKILEQEVVNLKTHEKN MVEFGDVEEKLQLEFRAGQE EKLEELNQRACLSAKKVRAEG ELEPRRHHNHTLGFTEGPWGL MSVITGAYDLIR
4785	35153	B	4826	1	753	
4786	35154	A	4827	225	410	
4787	35155	A	4828	225	410	
4788	35156	A	4829	225	411	
4789	35157	A	4830	141	1001	GGVRGVQKETCAFKVLESIG KLG/LALSVAGGAENSALYNVD AGHRAVIFDRFRGEQDIVVGE THFLIPWVQK/PIIFDCRSRPRN VPVITGSKDLQNVNITLRIFLRP VASQLPRIFTSIGEDYDERVLP TTENLKSVVAPFDAGELITQRE LVSRQVSDDLATERAATFGLIL DDVSLTHLTFGKEFTEAVEAKQ VAQQEAQARFVVEKAEQKK AAIISAEGDSKAAELIANSLATA GDGLIELRKLEAAEDIAYQLSR SRNITYLPTG/QSVLLQLPQ
4790	35158	A	4831	194	453	QPLPELELRPKAL*LTSPQFSA *RLKTAARLPKWPWAVLPQGFT DTPPHFSQAQISSSVTYLSIILV KTHVLCSPFHRTGTVV
4791	35159	A	4832	1	86	PCESYLEHL*WSCRLRLRLGSV SLQLLS
4792	35160	C	4833	191	263	
4793	35161	B	4834	1	741	
4794	35162	A	4835	3	96	
4795	35163	A	4836	1	301	QEQQKMNTLQGPVSFKDVAVD FTQEEWRQLDPDEKITYGDVM LENYSHLVSLAYEVATSTCTSEIL KPSNLPKSFSSH*QDMISPSQT SSLSWSRERSG
4796	35164	A	4837	3	273	VLHFISAGNTFAHQEHSPRKG PNNLSKRKLLPAVIGPRVFHGE DRHIL/LFSTRKE*ARSLCYVQG GVQAPAAAFCSLLSLGWGAGC AFWC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
4797	35165	A	4838	3062	3688	RSVTRAPPRTSTFPLAQAPSPRSH HIREPTSPHLGRLRGSHRGPPS RPLPPALAAALSLLETLPRLHHP HLHLALHDQGRACVRAYAHPS YLWRCHALGVWVES/ARLRPS ALPPAHSPPLAAPLLSSSVQPPA PALEPPPRPPAAGAAARCLAAQ HHHPSRLGVRQPPLAVGALGST WPPQAPAPPELSALEQDRVGA QPPPPPSQGA
4798	35166	A	4839	1	197	
4799	35167	C	4840	26	358	
4800	35168	A	4841	84	433	PASAPLGLSATVSACFQEQQKM NTLQGPVSFKDVAVDFTQEEW RQLDPDEKITYGDVMLENYSH LVSLAYEVATCTSEILKPSNLP KSFFFSH*QDMISPSQTSSLSWS RERSCG
4801	35169	A	4842	1	372	VQWLFMQICLGGKHQQLRHQG VQEKMLPLEGS*VIEAGSPTLIG ETLSLEIINYIIGAGLESVHTHKS RQLGGWTRPGSHFQVQLIPAHT PMNLEPSQLSLEPRLVPAQQSL PSAPTSPKALSQ
4802	35170	B	4843	7	267	
4803	35171	B	4844	213	3895	
4804	35172	C	4845	141	359	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
4805	35173	A	4846	831	3017	RRRLHYSGSTRPWRTRAMLPRL TLSLRPHLSLHLPLCLLLHLA LPTHLPKPKHQPTVREL/ARRC RLPRACHPAQNLEQQPLRPSH LQRH/LSLLPPLGLSQSGPPG/LA PQPLL*LQTPDHFAGADPCSIHG TSH*HQGTSNPSGRDGYQTPSH ICPSPAPKQSFLEGTQNTSPSSP AAPAASSAPPMFKPIFTAPPKSE KEGTPPGPSVTATAPSSSLPT TTSTTAPTQPVFSSMGPPASVP LPAPFFKQTTPATPTTAPLFL TGLASATSAPITSAASPTDSA SKPAFGFGINSVSSSVSTTTST ATAASQPFLEGAQASAASTP AMGSIFQFGKPPALPTTTVTTF SQLLHTAVPTATSSAADFSFG GSTLATSAPATSSQPTLTFNNTS TPTFNIPFGSSAKSPLPSYPGAN PQPAFGAAEGQPPGAAPALAP SFGSSFTFGNSAAPATAPTPA PASTIKIVPAHVPTPIQPTFGGAT HSAFGLKATASAFGAPASSQPA FGGSTAVFSFGAATSSGFGATT QTASSGSSSVFGSTTSPFTFG GSAAPAGSGSFGINVATPGSSA TTGAFSFGAGQSGSTATSTPFT GGLGQNALGTTGQSTPFAFNV GSTTESKPVFGGTATPTFGQNT PAPVGVTSGSSLFGASSAPAQ GFVGVPFPGNTFAHQQEHSPR KGPNNLSKRKLLPAVRAQGPPR
4806	35174	A	4847	9	935	IPCFCGAMPYQTRRQENDLR TASIAV*RRKQDDH*QKRRW QNIQRKGPRIYIAGNSQSHQ PMIFSMLRKLPKVTCRDVLPPIR AICIEIGCWMQSYSTSLTDSY LKYIGWTLHDKHREVRVKCVK ALKGLYGNRDLTARLELFTGRF KDWVMVMIMDREYSVAEAV RLILILKNNMEGVLMVDVDCES VYPIV*ASN*ALASAVGEFLYW KLFYPECEIRTMGGRQQRQSPG AQRFTFQLLLSFFVESKSHFVTQ GGSGGQSAHRNLCPLGSGNFH VSASRVAGIAGAPHTWLIYVF
4807	35175	A	4848	1	1749	
4808	35176	B	4849	282	1227	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
4809	35177	A	4850	221	907	FEDSFNIRGVKKKAARPLKTPP VAKYPPKGSQAVHRHSRKQSE PPANDIFNAAKAASDMQHRE VRVKCVKALKGLYGNRDLTAR LELFTGRFKDWMVMSIMDRE YSVAVEAVRLILILKNMEGVL MDVDCESVYPIVLKYPECEIRT MGGREQRQSPGAQRTFFQLLS FFVESKLHDHAAAYLVNLDWDC AGTQLKDWEGLTSLLEKQDS TCHMEPGPGTFHLLG
4810	35178	B	4851	1	2361	
4811	35179	B	4852	1	878	
4812	35180	A	4853	1	313	MPHTPRCLFRPQASCLVHFLEQ QNKLLKLETKLQFFQNRCECKSNL EPLFEGYTLRREAECMEANS RLASELNHVQEVLEGYKKKYE EEVALKATAENEFVALKK
4813	35181	A	4854	188	354	
4814	35182	A	4855	405	647	LPLISDQVSYSPLMSKSLASLY QESY*TLARLPLISPFVNSLST DLFILLIGNTSIAIAEFGVSAISL PSCNSLE
4815	35183	A	4856	1	585	MSSGEGKRTWLGLWGGRVVP VPPICGLRVAVTSAGTSSFSLA PKPTRIRGERGKGQGRG/SSGN GGGRGRAGASAGSGREVVSV NDGRWRGRGRGVGCPRSSKRE DNRFAKHGRASGKAWEPHPPS QALRALFGPIRRRGRAAETRI YWKDRQLTNRDSTILELQKVL KTCCAQSMKIFCCLWNFVYKQ
4816	35184	C	4857	12	468	
4817	35185	A	4858	1	1156	MAFRKKIITAGCIDHVLVSVD QQMQANLTQRTEAIRKQTQIA PTFPAHSLPDKYLGALLNRKII GTFLVFNMCNRNHEDKNEAFT VLEKKVFNLEFCTLQNYSEV KEKERQRFSKQTLREFATRK ALKEMLVQLQRYKERKHIRKR NVKYSADHTTDTHTANQADPNQ QEPHVPGHAPDNKTRIQKQ HKDNTTRKHNQMTSDTSRTNT KVSQQRPGKQTRRRHERQQA RERQQRHQRK/RDAQTRHTQR QRQARAE/QVIENKREEKRTS ERTNDSTRREGTRRPRTEKGE RQEEGDRATATHRKDHDRQPP HGAPHCSRSSRHGAPTPLYCC SPLPGTPSCTICTVQYGRWLPH MATEQLNMAGPNQDFQDVVW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4818	35186	A	4859	1	1580	MAPALLLLLASGAAACPLPCV CQNLSESLSTLCAHRLGLFVPP NVDRRITVELRLADNFQALGPP DFRNMGTGLVDLTLSRNAITRIG ARAFGDLESRLSLHLDGNQAG GAGHPRALRGPVNLQHLILSGN QLGRIAPGAFDDFLESLEDLDS YNNLRQVPWAGIGAMPALHTL NLDHNLIDALPPGAFAQLGQLS RLDL.TSNRLATLAPDPLFSRGR DAEASAPLVLSFSGNPLHCNC ELLWLRLARPDDLETASP LAGRYFWAVPEGEFSCEPLIA RHTQRLVWLEGQRLTLRCRAL GDPAPTMHVVGPDRLVGNSS RARAFPNGLTLEIGVTGAGDAG GYTCIATNPAGEATARVELRVL ALPHGGNSSAEGGRPGPRTSPP PLALLPRYNSSDETLIYRIVPA SSHFLKHLVPGADYDLCLLA LSPAAGPSDLTATRLGCAHFS TLPASPLCHALQAHVLGGTLTV AVGGVLVAALLVFTVALLVRG RGAGNGRLPLKLSHVQSQTNA
4819	35187	A	4860	2	403	
4820	35188	A	4861	87	442	PVFPWHYPYKQKESQSVLVI WQKTAGGGWSTW/WILSFSPET EKVVKK/AHVDTL*NEMWDVT K*TAFKIPSC*T*HQHP*SFFRK SESQVIVFAGQGVKIH*YILLHS NVIHYMNEI
4821	35189	A	4862	2	651	EFIKQWDADKFEHIQTLEGHQ EIWCLAVSPSGDYVVSSSHDKS LRLWERTREPLILEEREMERE AEYESVAKEDQPA/VPGIQQ DSYFT*KKTITVK/AERIMEA FELYREETAKMKEHKAICKAA GKEVPLPSNPILMAYGSISPSAY VLEIFKGIKSSELESLLVLPSFY VPDILKLFNEFIQLGSDVELICR CLFLLRIHFGQITS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4822	35190	A	4863	1	703	MGLTKQYLRYVASAVFGVIGS KQGNVFFVTLRGEKGRYVAVP ACEHVFIWDLRKGEKGLKQEV TCLCSPDGLHLAVGYEDGSIRI FSLLSGEGNVTFNGHKAAITTL KYDQLGRLASGSK/RQPGGIV FTESILAYSSACQDKQNHVWGS SQ*CADFVIQLRQYCCSFCS*F H*NMEQVYTAVYSHNDL*ICTL LILCTW**TGSHRNKAPKTMFP RCTEGLDRGNRPATHS
4823	35191	B	4864	1	2616	
4824	35192	A	4865	3	674	PECTGRTLRSASQHQHDTFYILA CELNSLADDAQRYDVPNSCL YPPDLWPRVPMQAKKKELARR DDIEDGDSMISSATSDTGSAGR KSKKNIRKQRMKILFNVVLEAR EPGSGRRLCDLFMVKPSKKDYP DYIIHLEPMDLKIIEHNIRNDKY AGEEGMIEDMKLMFRNARHYN EEGSQVYNDAHILEKLLKEKRR ELGPLDDDDMASPKLKLKA ASHFII
4825	35193	A	4866	3	425	
4826	35194	A	4867	1	1115	LCSVPTLCLASSHLVSNLSTFKQ VTSSFIRHVATLLGLYLALFCF GWYALHFLVQSGISYICIMIIIGV ENMHNYCFVFALGYLTVQCVT RVYIFDYGGQYADFSGPMIIT QKITSACEIHDGMFRKDEELT SSQRDLAVRRMPSILEYLSYNC NFMGILAGPLCSYKDYITFIEGR SYHITQSGENGKEETQYERTEP SPNTAVVQKLLVCGLALLFHLT ICTTLPEYNIIDEHFQATASWPT KIYLYISLLAARPKYYFAWTLG TAPRKWSPCPGPQCIQLRAADP SGPEPLMLSSQERQPKAKPPK EAHADIAGTPREGEKTRTGGPG KAFLRDPGASSVELSRTQLWV LTPPIAKAPCECLQ
4827	35195	B	4868	218	656	
4828	35196	A	4869	1	180	
4829	35197	A	4870	12	199	GLFPLEPGANGI*GC/SGRIRAQ RWLPGRPKFTGESFIR*PPRVAK ESGQLIWFCVPTQISS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4830	35198	A	4871	1	5058	MKLRGVSLAAGLFLALSLWG QPAEAAACYGCSPGSKCDCSGI KGEKGERGFPGLEGHPLPGFP GPEGPPGRGQKGGDIPGPPG PKGIRGPPGLPGFPGTPGLPGMP GHDGAPGPQGIPEGCNGTKGER GFPGPSGFPGLQGP GPPGIPGM KGEPGSIISSSLPGPKGNPGYPG PPGIQGLPGPTGIPGPIPPGPPG LMGPPGPPGLPGPKGNMGI.NF QGPKGEKGEQGLQGPPPPGQ! SEQKRPI DVEF
4831	35199	A	4872	3	1646	EDEGRAKGHHTWQQTRENESQ AKGETPYKTIRFRETY YHKNSM GETTPMIQLSFTGSLPQHVGIM GATIQDKIWVTPGLPGFPPTG LPVKRGFPGPSGFPGLQGPPVIP GPTGIPGPIGPPGPGMLMVTGP PGLPGPKVNMGLNFQGPKEK VKQGLQGPPGPPGQISEQKRPI D VEFQKGDQVIPGDRGPPGPPGI RGPPVTPGGEKGEKGEQGEPE KRVKPGKDGENGQGPVMPG DPGYPGEPGRDG/EKGNAVMG PPGPPGFPGERGQKGGDEGPPGIS IPGPPGLDGQFGAPGLPGPPGA GPHIPPENKGDTCFNCIGTGISG PPGQPLPGLPGPPGIPGAPGA PGFPGSKGEPDILTFPGMKGD KGELGSPGAPGLPGLPTPGQD GLPGLPGPKGEPVRITFKGERGP PGNPGLPGLPGNIGPMGPPGFG PPGPVGEKGIQGVAGNPGQPGI PGNKGDPPGTTITQPKPGLPGN PGRDGDVGLPGIPGLPGQPLP GIPGSKGEPGIPGIGLPGPPGPK
4832	35200	A	4873	110	256	CSGT YRCYSF/HSRDPYLWSAPS DPLE/LVVTGPARQYYTKGNLV RIASGL
4833	35201	A	4874	2	2888	LSDPCSSRWDRSLSQRSRSWS YNGYYSDLSTARHSGHHKRR KEKKVKHKKKGKKQKCHRRH KQTKRRILIPSDIESSKSSTR MKSSCDRESRSSSSLSHHSSK RDWSKSDKDVQSSLT HSSRDSY RSKSHSQSYSRGSSRSRTASKSS SHSRSRSKSRSSSKSGHRKRAS KSPRKASQSENKPVKTEPLR ATMAQENVVVQPVVAENIPV IPLSDSPPSRWKPGQKPKWPKS YERIQEMKAKTTHL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4834	35202	A	4875	350	986	LWGGGSARLLRLPRGPCLPPAS PSSPSSSSSELS*SCSLGPSSSSSSSS SSSCSLCPSSSSSSSP*LPSSSS SSSRPLPPSSSSSSSSSSSSSSSS SECLCPSSRPRTTVAGLGAPAG FPSGPVDTCSVWLLRFTSTMW DCSLRL*VPEPPSSSSNSPPSSL HKLAGPPASTPPSFSSLLKKG WAGPMVAGTVPPAVPAPSSSTR TE
4835	35203	A	4876	1	496	SQSYSVRGSSRSRTASKSSSHSRS RSKSRSSSKSAVLASTARCAGS RKQCVPPLPRLCQLQSRSLQPS MVPWRWGLTGPRGIALPPAAR PGPLHEAPRWGPPRRRAPRPWP PGARPGRRRRRAAASPSSCG PRASGAAGGRGAPIGARASA GAAVWTPISTT
4836	35204	A	4877	3	4578	TLAVFVPTLAGFSVALGGPAW GRRRRSVSGVGVLWQQCFLF CSRGPAQAGGQPALAATSVAM GAQDRPQCHFIDIEINREPVGRI MFQLFSDICPKTKNCLCLCSG EKGGLGKTTGKKLCYKGSTFHR VVKNFMIQGGDFSEGNGKGGE SIYGGYFKDENFILKHIDRAFLLS MANRGKHTNGSQFFITTKPAPH LDGVHVVFGLVISGFEVIEQIEN LKTDAASRPYADVRVIDCGVL ATKSIKDVFEKKRKKPT
4837	35205	A	4878	1	1689	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first endon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4838	35206	A	4879	1	1604	MGISCPGSSKMLNSRALPVLKL TQGALRDCCKERANYTNFNLYK AVESQKGFVCVLYNGQSQPEY VMIPCTSVPTGQEVPEDRGMR MVMKNKPNKPSKMQLKSSKH LTNSVIVIAVGIFSVTLQARDP QLDDAIEQLRGVCIRAWEKITS GGEQYPSFSAIKQGPKEPYIDFI ARLQESLKKMIADSAAQDIVLQ LLAFDNANPDQAAALRPARGKA HLVDCIKACDDIGDSSNGKAS YFGSKSKVFQTSYSAQKAEVL AVIEVLTAFDMPINVISDSYM VYSTQLIENALRFHTDEQLMT LFTQLQTAFRSTMHPFYITHIRA RHPTPLPGPLTEGNQADCLVA NAISNARHFHNLTHVNASGLK HRYSTITWKEAKNIQRCPTQCM VHSSFRGGVNPRLGEPNSLWQ MDVTHIPLFGLRAYVHKRRIR GGGGGEGEGEGEGEGEEEEEE EEEEEEEEEEEEEEEEEQEEQEE QEQQEEQEQQEEQEERRRKDTE ELSYSLPLNRTQPCWHPDFGLP
4839	35207	A	4880	1	1146	
4840	35208	A	4881	1	1577	MGQVWALVHSTLETFTHTDEEE GEYNEVTEQVCLPAKAGSAAV DLCCCTKAVSLLPGESPQKVPTG AGGPLPAGMTGLLLGRSSLNIK AVQVQTGVTDSDYNGEIQIVTS TSVPWKAKPGDHIAQLLIVPKK FUEGLKEPLQVERQSSCQGLGY/ PFLMAAIVKPEPIPLKWLTDKP IWTEQWPLSKEKLEALEDLITQ QLKKGHIAPTFSPWNSPVFIKK KSAEQDCEWVFVTLAVNNLQL KPAKRFHWKVLPGQPNQPIWI PSRYLKPYPHKPDAKEEIPESQ GFPVAAMSRLTLRRTPVTISNT HRTQPPTWGQIEKLQMAEENL RKAGQPVITISNWLPRITKFKPI EGAENVFTDSSNGKASYSGSK GPLTEGNQADRLVAKVISNA RHFNHNLTHVNASGLKRRYSIT WKEAKAIHQRCPTQVMLSAEE QHLQKSAAKTEAEKLVWWRD PITKSREIGKIITWGRGYACVSP GPNQQPIWIPSKHLKPYHKPDA GEKISGNGCGPHPHRLQPCPD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4841	35209	A	4882	1	420	MTNISTTLKDLKDAGMIDPIKS TFNL/PIWIPQKPDGSWKTANN /R/KLNQATISIAAIVLDVASLPG KARSYHGFSSHAGRVIDSNNQK DIEGCTYILNVAGKNMFGIQLR RSVIFPCPNLMYTDNCSSHGPR GPSDYDSDP
4842	35210	A	4883	213	687	PEHILPGAQEGPSC/PLEPELE/V *NMSSWNLTSECKMHGDLKY L.FVITAKDQQ/VSIAAST/*GFC WNQ*VSASPSQAPGMPLVLGR RLWQGSRLGGLSISLDDCHGA HNHSFKRVTTLQVFSWTVPQ AEPAMDCIHTA/DSRQRLP*QA HESVAEVIIT
4843	35211	A	4884	1	648	MSSWNPLPESFKKHIGYLLYLFV ITAKDQQ/VSITASTWGFYWNH SQGKNPEQMEASQKPVAGLWA WWNLISLSAASHGAQNHPFKR VTTTLQSQGWNKDLWIMRELL CNNRPEQLLQETATIKAPIAPAD PWSQEVIVNFCNAVSSVSCMPF NIHFNSNIPPESGDWRMQQP KVEQSILGAQRGGGCRPGSLR ELFPCLLAEPNMEEEVAALRA
4844	35212	A	4885	3	597	GTLEPAEWSVLLGVHSDQGP LDGAHTRAVAAIVVPANYSQV ELGADLALLRLASPASLGPV WPVCLPRASHRFVHGTACWAT GWGDVQEADPLPLPWVLQVEVE LRLLGATCQCLYSQPGPFNL LQILPGMLCAGYPEGRRDTCQP SPEPGPMCIS/SHIQLRLDAVS HTWQRGTPEARLGSWERRQRQ QQQGPV
4845	35213	B	4886	387	552	
4846	35214	A	4887	20	612	
4847	35215	A	4888	792	959	TGLSSSQNPKATKSIPWHNRLL PNVDSQVQQNSQAIHVTN*GNS ESQYPFSKMDT
4848	35216	A	4889	268	500	
4849	35217	A	4890	1	529	
4850	35218	B	4891	259	1672	
4851	35219	A	4892	480	657	
4852	35220	A	4893	2	377	WCDPSSSLHRSVQALRTFCVTL SGAFVRDCTTVLSSTICEPSTD V/CWAMNIVSVLLLYGSEEEA FWLLVALCERMLPDYYNTRV VVIRTYDQRYEQCDVLDGLP TTLFTTDDWHVWPDLTGLP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
4853	35221	A	4894	1	251	TEARKAAAVMPKTAVLAAERPKKAWGVLIIPKSKTKRTPKAFAGGGCW/TKVGVWSKVAKKVPKPEASKPKKAAPKTRRYKSTLTKTK
4854	35222	A	4895	283	427	PSVSKESPLNSPASQAGSATFATPLTPPK/PAATSSVAAAALLPALPR
4855	35223	A	4896	111	1095	SRGWSRLPVPCCAPALLSPWAVNGIRRRGAGDGTTRGGSGCAGAHSAGLVASGPESWIPGPVPPGAEPPIRRGDSGLARCPAGHPSPRASPQRPAEGFDALAAAPSRVPGDSRQLSRNNTRSRCEGRGGKTTPAWAGVHRHGGPPPAAPPGRARVHGHRLRGGLPGGGKRGLPGCCPRAADPRGRP/GETSRSGERGPPGRSAPLSLQPRHRTGLET/RQPSPLARSRPGLGPRPSARRPSRPA PPPPPPELHRGAPQGRVVASQTRPGARARPAADTHSSLKSPASQAGSAAAFATAPLTPQKQPLRAPWQPLHSFRPCRGVTSRLRTAPP
4856	35224	B	4897	243	452	
4857	35225	A	4898	3	353	RRYLSPKYIKMFVLDEADEMLS RGFKDQIYDIFQKLSNNTQVVL SATMPSDVLEVTKKFMRDPIRILVKKEELTLEGIRQFYINVERE EWKLDLTLCDLSAMHGDMQKERDVMIR
4858	35226	A	4899	3	410	NLQEWKLDLTLCDLYETLTITQAVIFINTRRKVDWLTEKMHARDFTVSAMVCLPAASLLWVCPSEVSYLKPGLFPRCLPGLLHICFLFQHGDMDQKERDVIMREFRSGSSRLVITDDLVSRLGN**QRQKG GSKVI
4859	35227	A	4900	1	235	MLSYVLEVTKKFMRDPIWILVKKEELILESIIHQFCINVEQEKWKLDTLRDLYETLTITQAVIFINTRRKCCSKVREI
4860	35228	A	4901	3	48	NSNVEREEWKLDLTLCDLYETLTITQAVIFINTRRKVDWLTEKMHARDFTVSAMHGDMQKERDVIMREFRSGSSRLVITDDLVSRLGN**QRGTRGVEAGHTM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
4861	35229	A	4902	2	879	AQFPTRLDLKATQALVLAPTRE LAQHIQKVVMALGDYMGASC HACIGGTNVRAEVQKLQMEAP HIIIVGTPGRVDFMLNRRYLSPK YIKMFVLDEADEMLSRGFKDQI YDIFQKLSNNTQVVLLSATMPS DVLEVTKKFMRDPILRVKKEE LTLEGIRQFYINVEREEWKLDL LCDLYETLTITQAVIFINTRRKV DWLTEKMHARDFTVSAMHGD MDQKERDVIMREFRSGSSRVLI TTDLLARGIDVQQVSLVINYL PTNRENYIHRJRGGRFGRKG AINMVTEDK
4862	35230	A	4903	1	1764	MASLEEGIYSLKINSKRSSYNS MNPQFTAGSEGNTEEPNKFQ SRKGRPQDSGSSLVLQEIQL DDIPKVKEEAVISSQSDLGEC PYCGERPARNATIFAPQKEKESAP EMSSSCDKRVTVNPPEKFSEGR PKTQNTLICEKCSQPSNFLDDY NPHVIIQKRLSNQSRVICKESS PLNVDPNYSNHSVIQKHKEKM AIERPSSGSDWSDVGGTTVIFSE EKPFSLCLPVVSEPPYYATD YTFPPHYSFPHDYTSSWFSSTKS SCYPSLGSSNTLQAGKSSCSS SRSNNNIFQGERSSHQFSLDYS TSFPVSSENTSRLKMTTEGRS KNSSLFYYSRNVAAEAEKERVY QEETLGHYPYGRASSFPRTIW QPEQPGFIDTHCLDLLYSRLPF KGTFTKFRKIYSNTFFKEFQGC SCFCNPQNLNDNLWEDQLKDD LVWGVFGCRPHFAHYNNYQE RSILKALRHPKAVAFGEMGLD YSSKCTTHIPEQQKVFKRLRL AVSLKVKPMMIHCREADEDLLG ILKKYVPSDHKMYQHCFGTG SYPIKPLLSCFPNLYVGFMAIL TYS SAEQARETVKK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
4863	35231	A	4904	125	820	VLAPNYHITFRNLSSVSSPVSTA EPVLQAGQARELSFSSLHPASPL LVPSTPALTLHAFNALVLFPSFP LEKAAKRERPKSKIQTARVVGK MRRTWSPHTTISAGGSVNGAST LKNLSLVWEAKPADTINPTPTT HPNPGPTPTNTNRHPPPHHPLT NTPAPPHQPPATTP/SPQTQTPN YCPNTDHTTPTHTDPNPVPPTR RTPPNRTGKRNTNTSQNYRLVSP APKIHWEA
4864	35232	A	4905	407	757	
4865	35233	A	4906	5	426	GKSTKSQNASSPPKDHNSSPA REQN/WIENEFNELTEVGFRIT SLEKNINDLMELKNTARELREA YTSINSQINQVEERISEIEDQLNE IKHEDKIREKRMKRNNQSLQEI WDYVYKRPNLRLIGVPESDIENG TKLENTL
4866	35234	A	4907	1	2267	MTGQFQDQDVVREEARPLPNRIM RLRFNFHATECSWDHLVYVDG DSIYAPLVAAFRCEVENRYQGN PLRGTCYYTLIDYQTFSLSQE DDRYYTAINFVATPDEETPPIRG RQTAAHTGELQLTSGGYPGSMK LPEEGTGERNRITINKDVHTET PSKGHQHQRPVKDKSTKIKKN QRKKAENSKNKNASSPEDHN SSPAREQNWMENEFDELTEVG FRRWVITNSSKLKKHVLTCQKE AKNLEKRLGQLLTRITSLEKNV KELMELKNKAQELCEAYTSINS QIDQAEESISEIEDQLNEIKHED KIREKRIKRNKQSLQEIWDYVK RPNLRLIGVPESDGNGTKLEN TLQDIVQDNFPLARQANIQIQE ILKTPQRYFSRRATPRNIITFTK VEIKGKMLRAVREKDHSAIKLE LRIKKLTQNCCTMWKLNLL NEYWVHNEIKAEINKFFETNEK KDTTYQDLWDATAKAVFKGKFI ALNAHRRKWERSRIDTLTSQLK ELEKQEQTNSKASKRQETKIR AELKEIETQKTLQKINESRSWFF EKINKIDRLRLARPIKKKREKNQI DTIKNDKGDITTEPTQMOTTIRE YYKHLIYANKLENLEEMDKFLD TYTLPRLNQEEVESLNRPPTTSE IEAIINSLPTKKSPPDGFTAKL YQRYKEEVVPLLLKLFQTVGK EGPLNSFYWANILIPKGRHT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4867	35235	C	4908	605	760	
4868	35236	A	4909	94	400	
4869	35237	A	4910	I	1538	MPIQMOPYQYKLVENKTQPPV YQYWPADLQYRPPPEVKYRP QVVCVPVNSTAPYQQPTAVVF NPTAPPSGGIIAQNTDLVEWF FLPHSTIKTFTLYLDQMATLIGQ ARLRIKLCESDSKIIIVPLNKEQ VRQAFINSGAWQIGLADFVGII DNHYPKTKIFQLKLTWILPKI TRHKPLENALTFTDGSNGKA AYTRPKERLIETQYHWAQRAE LVAVITVLQDFNQSNIVSDSA YVVQATKDVETALIKYSIDDQL NQLFNMMLQQTVRKRNPFYVT HIRAHTNLPEPLTKANEQVDLL VSSAFLEAQELHALTHVYNTGL KNKFEDITWKQAKNIVQHYTQC QIPHLPTQEAGVNPREQHFTGK KNSPHEGKLIWWKDKKNTW EIGKVITWERGFAACVSGENQL PGWIPTRNLKFYNEPLGDAKKS ASAETKNPQLSIIDSPGKAPGCL MPTTQNLWVEVPTVSATSKFT YHMYVPPAPKRQRPARTGHND DGSFVKKGDM
4870	35238	A	4911	I	759	FRMVIRCLPQRELDGDRGNWT ATSAGLTGJKWRRYNFGGHGD CGPIISVPAQDDPILLSFIRCLQA NLLCVWRDV*PDC*ELWIFW WGDEPNLVGVYIMNCRLLWKK DSGKMAFPMNVGRC/FFKAIHN LLERCLMDKNFVRIGKWFVRP YEKDEKPVNKSEHLSCAF/TFFL \HGESNVCTSVIEIAQHQPILIN EEHIIHMAQSSPAPFQVLVSPYG LNGTLTGQAYKMSDPATRKLLIE EWQYFPMVLKKKKK
4871	35239	A	4912	I	539	MRHPCDGNLSLYFDHISYNMLA VMLYYGFGRVSIGKTGLRGVQ RHLWPLPLDASSTKTVSSSHSD KGEIFSPFPCSLINCNNFEMRNT TKCLMDKNFVRIGKWFVRPYE KDEKPVNKRVTSEIWLDFEY\ GVSLPCFAVERCALLPLCLLPR LMISISSTRQRPQYISRRGLKAKI SWVV
4872	35240	A	4913	198	620	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4873	35241	A	4914	63	1267	RNRILRMEFFDWFWAFWSWLL NMIRSQNAKDSSNSMENTDSP WCELFRELCINALDVPDSSLV RGNEFSASVHNTFDHMMWRTKE RYEAGWLLSSADRMKEND LRDSVSWLQKQILSLKSAKIAL SGSLISYRERAEIVEKQTQTLM RVADLQQKGYINSPALCHNLW RDLDFHSFPYDITLFHYIDDIML IGSSEFEVANTLDILKGQRFVLT VIDTYSRYWFASPECNASEA/KT TIHGFTECIHYHGPHISIASYQG THFMAEEPWASKNQGEVETPF TITPSDPVATFLLVPVMTLRSG LEVLVPEGGTLPFGDTTMIPLN WMLRLPPGHFGLLLPLSQQAK KGVTVLAVVIDPDYQDEISLLF HNGAIIISDGNVILIGLLQWFST
4874	35242	A	4915	2	2210	
4875	35243	A	4916	1	2036	MDTFLDTYTLRLNQEEVESLN RPITGAIEIVAINSLPTKKSPGD GFTAIFYQRYKEELVPFLQLQF QSIEKEGILPNSFYEASIIIPKPG RETTKKENFRPISLMNIDAKIVN KILAKRIQQHIKKLIHHDQVGFI PGMQGWLNTCKSINVIQHINRA KDKNHMIIISIDA EKAFDKIQPF MLKTLKKLGTGDTYFKIVRAIY DKPTANIILNGQKLEAFPLKTGT RQGCPLSPFLFNIVLEVLARAIR QKEIKGIQLGKEEVILSLFADD MIVYLENPVSAQNLLKLISNFS KVSIGYKTNVQKSAFLYTNNI QTGSQIMSDLPFTIASKRIKYL IQLTRDMKDLFKNYKPLITEM/ KTKKWKNNIPCS/WELEKTLTKFI /WNRKRARIKSLSQKNKAGG ITLPDFKLYYKATVTKTAYWY DQNRDIDQWNRTEPSEITPHIY NYLIFDKPEKNKQWGKESLFN KWCWENWLAICRKLKLDPLT PYTKINSRWIKDLNLRPKTIKTL EENLGITIQDIGMGKDFMSKTP KAMATQAKIDKWEIKLSFCT AKETIIRVNRQPTKWEKIFTTYS SDKGLISRIYNELKQIYKKKKQP HQKDFAYHFTVFVFFYGFALLLE AAATSLHDLHCNTTITG/HATPE **PV*HKRSSLTITVLCRSG*IIW WCDPHTHS
4876	35244	A	4917	1	1359	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
4877	35245	B	4918	1	948	
4878	35246	A	4919	1	981	
4879	35247	A	4920	1	3747	
4880	35248	A	4921	1	1875	
4881	35249	A	4922	1	2238	
4882	35250	A	4923	1	3924	
4883	35251	A	4924	1	1068	
4884	35252	B	4925	62	389	
4885	35253	B	4926	1	3663	
4886	35254	A	4927	1	1474	MAVSTTVRVDMPCCAVMLYC WGRSGKEQQPDEALKKGFTV CFEGLRFQKPGSYFSLDQIGH VEIQMITPPWRGTTLSTKRGG KRGKTESDREHNLAAPPKGRDTP KKEGAHVRRGGLSGTPTTEKK GKARSPRYGDTHRGEGLNKT RAPQNFSESEPTINKIDRPLAR LIKKKREKNQIDTIKNDKGDIT NPTEIQTIREYYKHLIYANKLE NLEETDKFLDTYTLPRLNQEEV ESLNRPIGTGSEIEAIIISLP(TKKS) PGTDGFTAIFYQRYKEELVPFL LKLFSQIEKEGILPNSFYEAII PKPGRDQTQKENFRPISLMNID AKIVSKILANRIQVHIKKLIHHD QVGFIPGMQGCVGSSARAIGQE KEIKGIQLGKEEAKLSLFADDTI ECLNPIVSAQNLFLISNFSKV SGYKIHVPKSVSFLYTNNIAES QIKNAIFPTIASKRIKYLGIQLTL EVKELYNKNYKTLKEIRDE
4887	35255	A	4928	419	1002	CYQRWKVLKSSGGLARL/IKK REKNQIDAINKDKGDIITDPT EITIREYYKHLIYINKLENLEET DKFLDTYTLPRLNQEEVESLNR PITGSEIEAIIISLQTKKSPGPG FTAKLYQRYKEELVIYRFNAIPI KLPMFTFFTELEKTTLKFTWQK RIRIAKSILSQKNKAGGITLPDF KLYYKATVTKTAWYW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: In US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
4888	35256	A	4929	1	2502	MFFETNENKDDTTYQNLWDTFK AVCRGKFIALNTHRRKQERSKI DTLTSQLEKEPEKQEQTTHSKASR RQEITKIRAEKKEIETQKTLQKIL QKINESRSWFFEEINKIDRLAR LIKKKKREKNQIDAIGNDKGDIT DRTEIQTTIREYYKHLANKLE NLEEMDKFLDTYNLPRLNQEE VESLHRLITGSEIEAIINSLPTKK SPGPDGFTAKFYQRYKEELVPF LLKLFQSEKEGILPNSFYEANI LIPKPGDITTKENFRPISLMNI DVKILNKILANRIQQQIKKLIHH DQVGFIGMGQGFENIHKINVI QHINRTKDKNHMISIDAFAKAF DKIQQPFMLKSLNKL VLEVLAR AIRQEKEMKGIQLGKEEVKLKL FADDMIVYLENPIISAQDLLKLI SNFSKVSGYEINVQKSQASLYT NNRQTESQIMSELPFTIASKRIK YLGQQLTRDVKDLFKENYKPLL NEIKEDTNKWNIPCSWVGRIN IVKMAILPKVIYRFNAILIKLPM TFFTELEKVTTLKFIRNQKRACIA KSILSKKEKAGGIMLPEFKL*Y KATVTKTVVYWCQNRYIDQW NRTEPSEIIPHIYNHLIFDKPDKN KKWGKDSL FNKWCVEHWLAI CRKLLKDPFLTPYTKINSRWIK DLNVPRPKTIKLAGHLGNITRDI GLGKDFMTKTPKAMATKAKID KWDLIKLKSFCTAKETAIRVNR
4889	35257	A	4930	1	4187	MGDFTNPLSTLDRSMRQKVNK DSQELNSALHQADLTIDICRTLH PKSTEYTFFAAPHHTYSKIDHIV GSKALFSKCKRTEIITNCLSDHS AIKLELRIKKLTQNRSTTWKLN NLLNDYVWHNEMKAEIKMFF ETNENKDDTTYQNLWDTFKAVY RGKFIKAVCRGKFIALNAQN RKQERSKIDLTSLKLEKEQE QTHSKASRRQEITKIRAEKKEI TQKTLQKISESRSWFFETNKI DRPLARLIKKR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4890	35258	A	4931	1	1818	MSSRGPCLETLETINPSPVADDI PHLRPKPVYITTTDRDENIYSTK IPYMAARVVFIKWIVTFLEKK YLTATQNTKNGVDVLPKIIQTV GGGAVQERAPELDGGGPTEQD KSHSNSSTLSDRRLSNSLCSIE EEHRMVYEMVQRILLSTRGYV NFVNEVFHQAFLLPSCIAVTR KVVQVYRKWILQDKPVFMEEP DRKDVQAQEDAELGFSETDSK EASSESSGHKRSSSWGTHNSFT SAMSRGCVTEEG/TIQMLKAGV QALLQPVLCVFPLIPLPPLCNQA ARPAVVISPLGDLPLWLSVLGG PADQWHLSYLKPEGSSAYACIL EALASAGKGLWKVSAVGRKP WTRGRSDRKGTVGHQVQFLFF KDEGRVDSRILTLMVAVIRPN LCVYISRELWDDFLGVLISL TE WEELINEWANIMDSLTAVLAR TVYGVEMTNPLDKLSEQKEK KQRGKGCVLDPQKGTTVGRSF SLSWRSHPDVTEPMRFRSATT GAPGVEKARNIVRQKATAKRS QSISSNCVHLSALPATKSVPLLL HTLYKNKALKALGQPVGKAD QLVVAGSPSVCCVEDQWGRSN LEAMVLWLYCIPPDGDVLYL
4891	35259	C	4932	96	278	
4892	35260	A	4933	1	261	KLRLPFGHFGLLLLLSQQAQKG VTVLAVIDPDYHNEISLLHN GGKKTRPAEMLAEGKGNTE WVGEEVSHQYQL*PHDQLQKR
4893	35261	C	4934	36	385	
4894	35262	A	4935	1	2349	
4895	35263	A	4936	207	561	QLAEPHPWIPGTRKDAQCLVGL FGFWRQHPIHLGGLLWPIYRVT QKAASFEGWGP*EKALQIQPS VQAALPLGP*DLADPMVLEVS MADRACAGWSLWQAPIGELQQ KPLGFWSKALP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
4896	35264	A	4937	1	1375	MSTTQLDITMGAESLCNMETVQ VEDEGIQKLKEIRMVVEWITPFRP THPSCEGPEDIPLTNALQNTFVR AAPASLKSPPVALLSPVGYRT HAVVISPVPECRFGIDILSSWQN PHIGSLAGRAHQKQFVGSWQG QQYAFTVLPQGHINSLALCHNL IWRDLDFHLLSQGITLVHYTDD IMLIGSNLADPMVLEVSMADRC AGWSLWQAPIGELQKPLGF SKALPSSADNYSFPERQFFACY WALVETECPLTGHQLTMQPEL PIMNWVLSDPSSHKVWHGQSG HGGRDGSGYSWTQQHGLPLTKG DLSMTTAEQIFQQRPILSPRY GTTPWGDQPATWRQKWQRFVL TGIDTYSRYEFAYPACHASTKT TIHGLMEFLIHGPHISIASDQ GTHLMAKEVRQWAHAHGIHW SYHVPHHPEVAGLIERWNEIGL LKSQQLQHQLVNRRLRRELQCWL
4897	35265	A	4938	1	324	INCLRNCKTYQA/RKPLWFYNT SLKFFLNKP/MLADVVEIQGT VPAHRAILV/ARCEVMAAMFN AGIFQAMCLLCAE/MYQVSRL QHICELFII/TQLQSMPSRELAS NL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4898	35266	A	4939	108	2304	VAAAYPPASPWPSPARSLAGA APAPLCVGPAAVEAREGDAAG DERIAGELAAARGPREAVSRCFS PSRRPALGFEIMSIHIVALGNEG DTFHQDNRPGLIRTYLGRSPL VSGDESSLLNAASTVARPVFT EYQASAFGNVKLVVHDCPVW DIFDSDWYTSRNLIGGADIIVIK YNVNDKFSFHEVKDNYIPVIKR ALNSVPVIAAVGTRQNEELPCT CPLCTSDRGSCVSTTEGIQLAKE LGATYLELHSLDDFYIGKYFGG VLEYFMIQALNQKTSEKMKKR KMSNSFHGIRPPQLEQPEKMPV LKAESHIYNSDLNLLFCCQC VDVVFYNPDLKKVVEAHKIVL CAVSHVFMLLFNVKSPDTIQDS SIIRTTQDLFAINRDTAFPGASH ESSGNPPLRVIVKDALFCSCLS ILRFIYSGAFQWEELEEDIRKKL KDSGDVSNVIEKVKCILKTPGKI NCLRNCKTYQARKPLWIFYNTS LKFFLNKPMADVVREIQGYG QCPAHRALIVAPCEVMAAMF NGNLHGKAKSVLIPVYGVSKE TFLSFLEYLYTDSCCPA/GIFQAM CLLICAEMYQVSRLQHICELFI TQLQSMPSRGTHGPWNLDIS/ DLL*KGPSFHHSWIAFSTWAYF HFHCYLYTYLIFQFKRPGIFRDL FSEGRNGSFLFGKRHRWGSPNM LLGRQLAGITGKYFTSPGNVG
4899	35267	B	4940	1	3117	MRVCARACVTRTRMVCVYAH TCVCVRTYAYVVRVRVHVRA RVRVCA YARTRVRNSLSILPFIQ LTLATPIHHIIHQEFNIRGIVPV LRRVKPDLAIGIDITPSCDTPDLH DYSEVRINQGVGITCLNYHGRG TLAGLITPPRLRMLEQTALAHN IPVQREVAPGVITETGYIQLFLP GWEIGFSPALLLAFLCSTSPGF GDPDGLGVIAVQDTPVRNAAT AISELNA LAVKGVILTGDNPRA AAAIAAGELGLEFKAGLLPEDKV KAVTELNQHAPLAMVGDGIND APAMKAAAGIAGMSGTDOAL ETADAALTHNHLRGLVQMIEL ARATHANIRQNITIALGLKGIFL V'TLMTGLWLAVLADTGATV LVTANALRLRRR
4900	35268	A	4941	1	1162	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4901	35269	A	4942	1889	3387	QWAIKQFKHAEKENPYLFGGG HLRAIFR*SGFQ*RQLHTMHWG AS/QQAEPH/LAQPSTRAQLRTP P/TADS/QRALVSGSGMKPRLNG ERVLICAAGKHPADAFGLINE LESAGQTVVLVVRNDDVLGVI ALQDTRLADAATAISELNALGV KGVILTGDNPRAAAAIAAGELGL EFKAGLLPEDKVKAIVTELNQH APLAMVGDGINDAPAMKAAAI GIAMSGGTDVALETADAALTH NHLRGLVQMIELARATHANIRQ NITIALGLKGIFLVITLLGMTGL WLAVLADTGATVLFPPRLFEAR NSQVGNGETNQTRFLCAAPG GTFIADFTAGTGRRARPRNRNR RVVVSDFHQNMRRFLMEIVA ARFVVSXVAAHFRTFHYGGVIF ISRENVWIRGFESIFDHLERFR LLFTIDNPVGKVFVAALVGRV LGKHIQFDVVRVTTKLCESILQI VNFIFRQSAKTQVSVQDRLTA LPQQINAGNRSRLMVGKQLLCI
4902	35270	B	4943	1	2104	
4903	35271	C	4944	1	1215	
4904	35272	A	4945	3	268	YEFNRPYPEIQRSGIS/KLLEPLL FAATSDSQLSKTEISSIKINSETV PVYQLRYNGNNALMFATYQD KMLVFSSTDMFLFKDDQDTEA
4905	35273	B	4946	1	1725	
4906	35274	A	4947	1	1437	
4907	35275	A	4948	2	736	QCPYPYIAATGRILVVTHTLICLA PQIVENQVTVPLTTMTLSVPGA KTVRGFSQFGDSYVVYVIFEDGT DPYWARSRLVLEYNQVQGMPL AGVSAELGPDATGVGWIEYA LVDRSGKHDADRLSLQDWIL KYELETIPCVSEVASVGGVVK YQVVIDPQRLAQYGISLAEVKS ALDASNQEAAGS/SIELAEAEY MGGTCSAHGRALSRGVLWCRF SAIVRGPPRGMFCAGAAAPNLI
4908	35276	A	4949	531	632	
4909	35277	A	4950	532	609	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4910	35278	A	4951	1	525	LGVEATAMGDFGKAAEKLVPV VELAQACAHVMKSGIDLAVS YCMQVNHGFAQPLEFLLGGLD KVPVLLVFINGVATPLPGFQRT RMLGEAIGRFTSTPQYAGDTVN DEDISNTIRALFATGNFEDVRVL RDGELRKFTCESDDNFRPVT SVNYVIRHDWVGIRRVVPENE
4911	35279	A	4952	1	2769	
4912	35280	A	4953	1	681	
4913	35281	A	4954	1	1230	
4914	35282	A	4955	1	774	MLRTSDRPPYQPKRCIPLSVL EVLRCARRWSLRPYQLARAYI /ERYRHDRDIEREKRGRNLQEI RGLVEQTNASLLNENANKDSK AHERGDIHYHDLDYSPFFPMFN CMLIDLKGMLTQGFKMGNAEI EPPKSISTATAVTAQIGSVHIYG GTTINRIDEVLAFFVTASYNKH RKTAEAWNIPDAAGYANSRTIK ECYDAFQSLLEYEVNLTHTANV EGLTGDDGIAYEALKKNSQKPR MSASHNCELVSRLGRQYT
4915	35283	A	4956	1	1278	
4916	35284	A	4957	461	1002	SLSTKGYYAAKWCSTACAGS/T LLLVLLWVFIPKGFPGQDNGI IQGTILQAPQSISFANMAQLQRQ VADVILQDPAVQSLTSFVGVDG TNPSLNSARLQINLKPLDERDD RVQKVIA RLHTAVDKVPGVDL FLQPTQDLTIDTQGSRTQYQFT LHATSLDALNTWVPQLMEKI/Q QLPKLS
4917	35285	A	4958	1	291	MNPVDRPLLDIGLRLRLEFLRISG KGLA GLTIAPALLSLGCKQED IDSGTVGLINTPKGVLVTQRRAR CTGCHRCIEISCTNFNDGSGVTF FSRIKPH
4918	35286	A	4959	1	306	MKNFEVLQPLQNSLSGLPLWV SERILQQINQLTHYEPVIGIMGK TGAGKSSLCNALFAGEVSPVSD VAGCTRDPLRFRLLQI GEHFMTI VDLPGVGESGVRD
4919	35287	A	4960	2666	2775	
4920	35288	A	4961	9	308	GDLGDSRRHRAFLCHLPVELKTA LMFPVTLTRALMETAY/ATAVS A/NFRTESRGH/SRFDPP/RDD ENWL/CHSLYLPESESMTRRSV NMNPKLRPAFPKIRT
4921	35289	A	4962	1	1132	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4922	35290	A	4963	1170	1352	RNLPDAAAGQSCAGEIRLYRQQT QRSRLQRWLHLACFRRCNLHR RELDATA*QHVRSRWR
4923	35291	A	4964	1	312	MRKLTALFVASTLALGAANLA HAADTTTAAPADAKPMMHHK GKFGPHQDMMFKDLNLTDQA KQQIREIMKGQRDQMKRPPL ERRAMHDIIASDTFDKVKA
4924	35292	A	4965	3	205	KDHIKGVLEAQNSLSTQVSLFF *SFFG*NSNMRLIQIYRSL/CTK AI*LMNFKRHKQLVINYLRS
4925	35293	A	4966	1	915	MTGVATARAGRLRRPLSVGQV PPFARLWKGVQTVRHHMLANI GTGSQHPGCGFQLINQNSVIVF AAGEVNGFTSGDVQCLKMRSG DMNDIQRQRLLPDGNKFGEIQ TTIREYYKHYANKLEDLEEM DKFLDTYTLRLNQEEVESLNR PITGSEIEAVVNSLPTKKSPGPE RLTAEFYQRYKEELVPFLKLF QTTEKEGLLPNSFYEASVLLIPK PGKDDTTKENFRPISLMNIDVKI LNKILANRIQQHIKKLIHNNQV GFIIIGVQGWFNICKSTNVIVHV NRTNDKNHIIISIDTEKAFD
4926	35294	A	4967	1	1338	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
4927	35295	A	4968	1	1928	PPLVIHRQTGSGEDLQQTPTDL QLRLVTIRRKTNKQKGHPHQNP ISSRRHEITKIRAELEKETETQKTL QKKSMPNRSWFFERINKIDRL ARLIKKKREKNQIDAIAKNDKW DITHRIPTEJETIAREYVKHLYT NKLLENLEEMDKFLDTYTLPR LNQEEVESLAHRLITGSEIEAITN SLTVIKKSPGPDGFVAEFYQRY KEELVPFLLKLFQSIEKEGILPNS FYEASIIISKPGRDTTKKENFR PISLMNIDAKILNKILANQIQQHI KKLIHHHQVGFPGMQGWFNIL KSINVIHHINRTKDKNHMHISIEA EKAFFDKIQQPFMLKTLNKL GID GTYLTYLKIIRAVYEKPTANIIL NGQKLEAFPLKTGTTRGQCPLSP LLFNVLVLEVLGAIRQEKEIKG IQLGKEDVKLSLFADDMIVYLE NPVSAQNLLKLISNPFSEVSGYK INVQKSQAFLYTNNRQTESQIM SELPFTTIASKRIKYLGIQLTRDV KDLFKENYKPLLNEIKEDTNK WKNIPCSWIGRINIVKMAILPKT LNQKFSYWFRVNVKHYHQTFFP LKETEFTNIATLYNGASP/RTAP KSTGTNGHQASGLPRF*RIAFCS ALVKSRRKLYQGYLPGQTD RR EEGVSWCPGGP
4928	35296	A	4969	2	237	QPVEDTWLSTPAAPMVDSL LIAR VRVMARGNAITLPVCGRDVK/F TLEVLRGDSVEKTSRVW/SGIET YQELVTEDALDDL
4929	35297	A	4970	1	1752	
4930	35298	A	4971	1	723	
4931	35299	A	4972	1	1701	
4932	35300	A	4973	1	1446	
4933	35301	A	4974	1	403	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEAKGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVFGLRLRAEDVFPVPV GVAAHKG/LALKGLRVLLVEV RHRV
4934	35302	A	4975	1	1374	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,40,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4935	35303	A	4976	1	2259	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPeARKITRRWRIG EAAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGTYTIEQI NHMRDVFGRRLRAEDVFPPVI GVAAHKGGVYKTSVSVHLAQ DLAL/KGLRVLLVEVHKRWS*N DEGYRHCTV***HPEARKITRR WRIGEAAADLVGVSSQAIRDAEK AGRLPHPDMEIRGRVEQRILVIQ LNKLIIIVMCLVRDCDVLKTYF HR*SGLLPIKVAFTKP/HVSVHL AQDLALKGLRVLLVEPPSAPN LGIGTINVVCAADVLIPTPAEL FDYTSALQFFDMLRDLLKNVD LKGFEPPDVRILLTKYSNSNGSQ SPWMEEQIRDAWGSVMVKNV VRETDEVGKAAPMVDSLIARV GVMARGNAITLPVCGRDVKFT LEVLRGDSVEKTSRCDNLKTCH TSHGSVMAETA VINHKKRKN PRIVQSNDLTEAAYSLSRDQKR MLYLFVDQIRKSDGTLQEHDI CEIHVAKYAEIFGLTSAEASKDI RQALKSFAGKEVVFYRPEEDA GDEKGYESFPWFIKRAHSPSRG LYSVHINPYLIPFFIGLQNRFTQF RLSETKEITNPYAMRLYESLCQ YHPLTIEKVMKPLITSNTVTDEI ERANVEKMGNGKWLFTDSRGS KMTIDGINSNDIYMLGYVNSNL TGPYKPLNKTGLVLQMGMLDPN
4936	35304	B	4977	1	1744	
4937	35305	A	4978	1	2367	
4938	35306	A	4979	1	1215	
4939	35307	A	4980	1	946	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPeARKITRRWRIG EAAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGTYTIEQI NHMRDVFGRRLRAEDVFPPVI GVAAHKGGVYKTSVSVHLAQ DLALKGLRVLLVEGNDPQGT SMYHGWVVDLHHAEDTLPLF YLGEKDDVTYAIKPTCWPGLDI IPSCALALHRIETELMGKFDEGKL PTDPHMLRLAIETVAHDYDVI VIDSAPNLGIGTINVVCAADVLI VPTPAELFDYTSALQFFDMLRD LLKNVDLKGQAPCMK\LTMS SSSAPSPWML
4940	35308	A	4981	1	1572	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
4941	35309	A	4982	1	1617	
4942	35310	A	4983	1	550	
4943	35311	A	4984	1	3818	
4944	35312	A	4985	607	3777	
4945	35313	A	4986	671	3091	ARCQRPVGRPVDDLRLCLPRAT TPAPSPAPGLVVRRLAAPVPAA APVPAAPVPAAPVPAAPVPA AAAPVPAAPVPAAPVPAAPVPA VPAAPVPAAPVPAAPVPAAPVPA AAPVPAAPVPAAPVPAAPVPAAP VPRFQSPNQASTSDSPHIGQLP HQTVPISDSFHTGQSPHRTDSTP DSPHTGQLPHRTVPTPD/ELPHR TVPTPDSFHTRQSPHQTASTPDS PHIGQLPHQTVPIQDSFHTRQSP HQTASTQDSPTGQIPHRTVPT PDSFHTRQSPYRTASTPDSPHIG QLAHRVTPDPSFHTGQSPHRT DSTPDSPHTRQLPHQTVPIQDSF HTGQSPYRTASTPDSPHTRQLP HQTASTPDSPHTRQSPHRTVPT PDSSPHQTVSTPDSPHTRQLPH QTVPTPDSFHTRQSPHQTVPPT DSPHTRQLPHQTASTPDSPTPD SPHTGQSPHQFPHQTVPTADSP HTRQLPHQTVPTADSPTPDSFH TRHSPHQTASTPDSPHIGQLPHR TVPTPDSFHTRQSPHQTASTPDT PHTRQLPQQTVPPTADSPTPDSF HTRQSPHQTVPPTDSPHTRQSP HRTVPTPDSFHTRQYYPQRTVPT QTASTPGSPHTKQSPHQTVPPT DCPHTGQSPYQTVSTPDSPHTR HSPHQTASTPDSPHIGQLPHQT ASTLDSPHIGRHPRQMAPTPESP HARQLPCQMAPTPDSPTLDGPH
4946	35314	B	4987	1	891	
4947	35315	A	4988	157	1990	
4948	35316	B	4989	1	2157	
4949	35317	A	4990	1	378	MSIKGTLYLKVIAIYDKPTASSI LNGENLKAFLLRTGTGQCPLY KINVYKSVALLYTTNDQGENQI NNSTPYTTAPRKIKYIGIYLTKE VKDLYKENYKTLLEKVIDDT/R WKHIPCWMGRINIV
4950	35318	A	4991	1	392	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4951	35319	A	4992	3	1570	ETDFAFVGGAGVQWCDLSSPQ PLPPWVQAIIIPQPPRGCCWSG IPKWSGISDEVQVWKNCKLDL AAATGKNCLGQGEALLTQMR TGNQREVSDDWEEFVYLRNR PLMVNSNYMMDFLYVTPTPL QAAAGNAVHALLLYRHLNR QEIPVVRGPQWVRDGGVVLWP LGHVGPGRQLTAHGFIQTLLM GMRPLCSAQYEKIFNTTRIPGV QKDYIRHLHDSQHVAVFHRGR FFRMGTHSRNLLSPRALEQQF QRILDDPSPACPHHEHLAALTA APRGTWAVQVRLSLKTAQAEAL EAVEGAFFVSLDAPPAIGLTL EDPAASLDAYAHALLAGRGHD RWFVDKSFSLIVFSNGKLGSLV EHSWADCPISGHMWEFTLATE CFQLGYSTDGHCKGHPDPTLPQ PQRLQWALPDHHSISLALRG AKILSENVDCHVVPFSLFGKSF RRCHLSLDSFIQIALQLAHFRDR GQFCLTYESAMTRLFLEGRTE VRSCTREACNFVRAMEDKKKT
4952	35320	A	4993	1	1027	MPAKSPGQDVLGTDNIKIDVFK QTNQKSHTEKPYCEPCGKAF SEKSRRLRKHQRTHTEKPYKC DGCDKAFSAKSLRIHQRTHTG EKPFECEHCGKSFNYKSILIVHQ RTHTEKPFECNECGKSFHMS GLRNHRRTHTEKPYKCECG KAFKLKSGLRKHHRTHTEKPY YKCNQCGKAFGQKSLRGHH RIHSGEKPYKCNHCGEAFSQKS NLRVHHRTHTEKPYQCECG KTFRQKSNLRGHQRTHSGEKP YECNECGKAFSEKSVLRKHQR THTEKPYNCNQCCEAFSQKS NLRVHQRTHTGEKPYKCDKCG RTFSQKSLREHQKAHPGD
4953	35321	A	4994	154	331	IPAAATCMGSLGGE*ETPGLWA RRSVKSRGLFPGLPSPRASVRS LLLLPAWAAFLGIVDTRPTAW RAFPWTLFLSVFCQFLDFPETS LDSQKSLDTPSF

SEQ ID NO:	SEQ ID NO of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
4954	35322	A	4995	657	1455	PEPKAAVAPPPESPLPAGDSEC CLQPGHLLPASPRLPRPQAAS LAHRPEKSA PGADCPGSR/IGR PWTCGGLSGPAAAPRPCPLAPA FAPAFALGAQR/GPGPEQGGH ERQAERPGRRRRTRAYSARIY LPVAAEWPMGPGPEPGAGGRR RGEVPGGAQRSPARRRRGGPA AVSSGGRGVGGLRGAVLFQHP EQQRPVGLAGLGAQQAHPV WRYGPLST/PPALGPAAARGP\ GRRILFPFSFSPSAGAPGAASRP SPRRSP
4955	35323	A	4996	1	415	
4956	35324	B	4997	8	211	
4957	35325	A	4998	1	563	MDPNHEEIPDLPEKEFRRVKSK NHMTISIDA EKA FDN IQH R FMI KTL SKIGIQGTHFN IKA IYDKP TAS IILNGENLKA FPLRTGTSTIVL EVLARAIRREKEIKGIGKKEEV KLLLFADDMIVYLENPKDSYRK LLEQIKEFSKVSRYKINVQKSIA LLYANS DQAENQINNPTSFTIA AKNKK
4958	35326	A	4999	667	960	
4959	35327	A	5000	317	1157	EFRMDPAIALVLALSLTVPKLT VPDSPLRLYRSFCTSACTSNLV VHFA*KEK WPDV*LYTDSWAV ANGLAGWSGTWKKHDWKIDD NEIWGRGMWIDLSEWSKTVKIF VSHESAHHIT*KSSAEEDFNQ VDRMIHSVDTTRPLSPATPVITQ WAHEQSGHGD RDGGYAWAQQ HGLPLTKADLAMVTAECPIQQ QRPTLSP*YGTIPRGDQPA TW QVDYIGPLSSWKGQRFLVTGID/ TSGYEFAYPARSSANSTIRGLM ECLIIHHHGIPHSIASNQLYS
4960	35328	A	5001	2	15246	

SEQ ID NO:	SEQ ID NO of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
4961	35329	A	5002	1	951	MALALNRYL/CLAVLPLITKCA PLFAG/TEHRAIMVDSMLHTVY R/LSRGRSLTKAQRDVIED/CLM SLCRLRLRLVFDVPIILNEFA/K MPLKLLTNHYERCWKY/YCLPT GWANFGVTSEEE/LHLTRKLFW GIFDSLAK/KKY/DPELYRMAM PCLCAIAG/ALPPDYVDASYSK AE/KKATVDAEGNFDPRPVET/L NV/IPEKLSDFINKFAEYT/HEK WAFDK/DKEIYRWPIKESLKAM /AWEWTIEKAREDLDPREGYN PQPPDLASV/TLRELQAMAEQ LAENYHN/TWGRKKKQLEAK GGGTHPLLVP/YDTLTAKEKAR DREKAQSY
4962	35330	A	5003	273	478	
4963	35331	A	5004	2	622	GAPRSLSEKERQLMGMINQLSS FREQLLHAHYEQKKLAASQIEK QRQHMKLGKQ/QEQIARQQQ RLIQQHKINLLQQIQQLYAA QLAAMQVSPGGKLPQPGNL GAAVSPSTIHTDKSTNSPPKSK TCCLLLWEDEHSASIPVTNQI HLHLASSITDHGGKVIWERCLE ESGKGVTFPDPWSPRWGRIPPE GSKEGFTKE
4964	35332	A	5005	3	512	
4965	35333	A	5006	1	642	MHAQTYAHTDTRAQCTSMK QVSLKPTTEAHKKERKPKPG KYICQYCSRPC/AKPSVLQKH SHTGYGCEMYPHGLEMERIPG EEFEPTGESTDSEETSATSG HPAELSPRPKQPLSSGLYSSGS HSSSHERCSLSQSTASQLEDPP PFVEPSSEHPLSHKPEDTHTIKQ KLALRLSERKKHQVIDRLSGSI LAGLSWQLLPQGEAL
4966	35334	A	5007	341	1020	TLNRRQGCCCLGSWLTNSNGILL FEISRPTYLPILLILFLVKR/HKL KMSVLNMVVRHDGPGSTESAKA KEELIFRCRSRHFRASPLFSQHA AADKHKFQRFLTADMALAVTV YAPTTFPPSLLLFKQKSNGMH NLIATGHLLLVDPNRMVIRRV LSDPPFKICTKMAVVCYMFNFR EDVQWFKPVELRTKWSRRGHI QEPSGTHGRMKCSFDRKLKSQ NTELMNLYK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4967	35335	A	5008	1	847	EKAQALDLAGFKDPAPGHTE ESMTHDKTKIPCKSPPELVDT ATSSKKWPRACGQKVEVKEEL LAVGKLTQTSGETTHTNKEPEG EGKGMKAFKQPAKQKLDPEN TGSRRLLPRVPKEKAQPLEDLAS FQELSQTGHTTELANGADSFT SAPKQAPDSGKPLKISRRVLQA PKVEPVGDLVGTGR/D/PVKSQSK SNTSLPPLPFKRGGCGKDGSVTG TKRPHCMPAPEEIEELPASKKQ R/VVAPVRVGKSPPELVIMKRS LRTSAKRIEPAEDLNSNMKTNN
4968	35336	A	5009	9	1094	IRHEEESMTDDKTTIPCKSPPEL EDTATSSKRRPRTRAQKVEVKE ELLAVGKLTQTSGETTHTDKEP VGEKGVTGKAFKQPAKRKLDA EDVIGSRRQPRAPKEKAQPLED LASFQELSQTGHTTELANGAA DSFTSAPKQTPDSGKPLKISRRV LRAPKVEPVGDVVSTRDPVKS QSKSNTSLPPLPFKRGGCGKDG VTGTKRLRCMPAPEEIEELPTV SKKQRVAPRARGKSSEPVVIM KRSRLRTSAKRIEPAEELNSND MKTNKEEHKLQDSVPENKGI SLRSRRQNKTEAEQQITEVFVLA ERIEINRNEKKPMKTSPEMDIQNP DDGARKPIPRDKVTENKRCRLRS ARQNESSQP
4969	35337	A	5010	1	459	MAKPWRALCILLRSLDSFLQLS ASLTCFGFMHNTYKNRPWGV LRSSTERSPRKGTAGDMRAGGRF NAPLIGQDLLFKEHFASKALDT CTNIARSAKTQGGPVAAIILLL AFGPCIFNLRVKFVSSRIKAIKL QM/RLTIYRGPLDRPAGPSTGL
4970	35338	B	5011	1	687	
4971	35339	C	5012	194	418	
4972	35340	A	5013	17	396	
4973	35341	A	5014	1	70	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
4974	35342	A	5015	1	994	MGFVKVVKNKAYFKRYQVKF RRRREGKTDYYARKRLVIQDK NKYNTPKYRIMVRVTNRDIIICQ IAYARIEGIMIVCAAYAPELPK YGVKIVGLTNYAAAYCTGLLA GPAGFFHRFGMDKFYEG/QVEV TGDEYNVESIDGGQCLHPAY WDARPLPRTSPLAIKVFWLP*R GA\VDGGLVLFPPQYPNRPFWL WIPESQGNLNARRYHREGTIHG PRIVAGLHAPTLMEDEDA\YK KQFVRQYVKNSVTPD\MMEE MYKKAHAARIAENPVYEKKPK KEV\KRKRWNR\PKMSLAQKK DRVAQKKASPL\RAQERAAEKL NQTIIFYKDFSDIAN
4975	35343	C	5016	27	308	
4976	35344	C	5017	68	307	
4977	35345	A	5018	388	1485	
4978	35346	A	5019	3	1940	RDRMILLKMEQEIIIDFIADNNN HYKKFFQMSSYQRMVLVHRVA AYFGLDHNVDQTGKSVIINKTS STRIPEQRFCHEHLKDEKGEESQ KRFILKRDNSSIDKEDNQSVCS QESLFVENSRLLEDNSNICNETYK KRQLFRGNRDGSGRTSGSRQSS SENELKWSHDQRAWSSTDSDS SNRNLKAMTKTASFGGITVLT RGDSTSSTRSTGKLSKAGSESS SAGSSGSLSRTHPPLQSTPLVAG \VAAGSPGCV\YYPENGIGGQVA PSSTSYILLPLEAATGIPPGSILL NPHTGQPFVNPDGTPAIYNPPTS QQPLRSAMVGSSQQQPPQQQP SPQPQQQVQPPQPMAGPLVT QSIPAKKELNAFRVRNQEQRDT GTLHEGSGKISRMVLGWEPLSP YAPDRDDVATQFGQMTLSRQS SGETPEPPSPGVYPSLLMPQPAQ QPSYVIASITGQLPTGGFSGSGP PISQVQLQPPSPQGFVQPPPA QMPVYYYPGSGQYPTSTTQQYR PMAVPQYNAQRSSQMPQAAQ QAVLEVLSPLVSTVMPKLAVAL VMAGFRLRLLESVLLQALW WSDHLSSFSELLCRLPDVLPSP LLPLEYDHQKDAQGGQDYLTCM VLVTLLESPTGIQEDDSNEISVI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4979	35347	A	5020	3	1353	GDAYALVLRVTLYCGKCHVNE VVLAIPFEILSTESIQDQI.PYSV MLMSMLAITEGRRSFVSVENA CSNYVTTVQVKEVNQMHSFN SCNAIHPRDHILEISGIPHTLTQ VEELEDASIQMSQTL.LLLIEHDP VSRSPAQLRLDAWLSPHTQNA GHPHALSTLDTKDNLEGLTRRC SLRLSNSISKSPSSPKPEPLLS RDISCWESLCCSSTYSKQNRSC DLIHGEVLGKGFFGAIKVTHK ATGKVLVMKELMRCDEENQK TFLTEVKVTLPSNLLPPGHDLL QTGAREQTGILKTGGLSVPGGA GHAAACRAGGVGPHCEHAVRP DPRLTPLALAQPPAGGCSTASIA PLFSIPAVSRVFRASRGLAACLE AEQAGRILTCEVCKLVVGLSL DSQQQLSSVLCGWLCCLSCPQL WSLNRHPQHHLVEMQNLKS HPRPGETESAL
4980	35348	A	5021	1	588	MEYPDGGSTLDLLEPGPLDETQ IITILREILKGLDYLHSEKKIHRG VKAANVLLSEHCEVKLVDFGM AGQLADTQTKRNTFVGTPFWI APENNPTLEENYSKPLKEFVE ACLNKELSFRTAKELLKHKFIL RDTKKTSYLTEIDRYKRWRA KQSQEDSSSEDSNSETDGGDSIG GSDSGDWIFTIQEKDPKNL
4981	35349	A	5022	1	1380	GPRASPPRARRGPAVPSQEVA VLSAMAHSPVQSLPGMQNLK ADPEELFTKLEKIGKGSFGEVF KGIDNRTQKVVAIKIIDLEAEAD EIEDIQEITVLSQCDSPYVTKY YGSYLKDKTLWIIMEYLGGS ALDLEPGPLDETQIATILREILK GLDYLHSEKKIHRDIKAANVLL SEHGEVKLADFGVAGQLTDTQI KRNTFVGTPFWWMVPEVIKQAG YDSKADIWSLGITAIELARGEPP HSELHPMKVLFIPKNNPPTLE GNYSKPLKEFVEACLNKPSFIP TAKELLKHKFILRNAKIKTSYLT ELIDRYKRWKAQESHDDSSSE DSDAETDGGASGGSDSGDWIF TIREKDPKNLENGALQPSDLDR NKMKDIPKRPSQWLSTIISPLF AELKEKSQACGGELGGPLKEL RGAIFYLAEACPGISDTMVAQL VQRLQRYSLSGGGTSSH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
4982	35350	A	5023	1	346	MAGEKVEKPDTKKKPEAKKA DAGGKVQEGTGRYSRSAMYSR KAMYKRKYSAAKSKIEKKKEK VLATVTKPVGGDKNGGTQVF QIITYSSYTQKVQLPKSTLKQRQ GPCPQ GAL
4983	35351	A	5024	67	599	SAKSEMAKGEKVEKPDTKKK PEAKKVDAGGKVKKGNLAK KPKKGKPHCSRNPVLVRGIGRY SRSAMYSRKAMYKRKYSAAK SKVEKKKKEKVLRLNLLQNQVG GDKNGGTRVGLNFRKM PRLVY PTEADVPKRLLSHGQKNPFSQH V/REKLRA SITPGTILILTGRHR GKR VVFLN
4984	35352	A	5025	101	202	PVPGTSSCTDRYHYKKH**KIN TKLVSKYILNM
4985	35353	A	5026	2	562	LRTVPDLPGRFRFRAMRTGQRR* PELPPDMNSLEQAEDLKAFERR LTEYIHCLQPATGRWRMLLIVV SVCTATGAWNWLIDPETQKVS FFTSLVNHPFFTISCITLIGLFFA GIHKRVVAPSIIAARCRTVLA EY NMSCDDTGKLLKPRPHVQ*QS SLIVMGLRIAFLRISDTAKSHKG FLRLDM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hud	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4986	35354	A	5027	1	2090	MGAVFFMLFSWWITSGHIQLLC TRRRATVSTHQEFVVTVPFSL GLVVSGLDADTAMPGSAAEEQ FQWQSQDGGKDIEDELTTGLEL VDSICRSLQESGILDPQDYSTGE RVIHFGKTLGLSSEDYSIMEKG QMVKEVTVTQVSVLKANETM ASALCGEQEGHDDPLLLTVQMS TGNHYIKDNLFPVWVKWPSLLS QSALQLNSKPEGSFYYPASYHS NQTALGETTPSQLPARGTOAR ATGQSFSGQTTSRAGHLAGEPEP APPPPPPPREPFAPSLGSAPHLPD APPAALAAALYSSSTLPAPPR GGPLAAPOGGSPTKLQRGGS PEGATYAAPRGSSPKQSPSRLA KSYSTSSPINIVVSSAGLSPIRV SPPTVQSTISSPIHQLSSSTIGTY ATLSPTKRLVHASEQYSKHSQE LYATATLQRPGLAAGSRASYS SQHGLGPELRLQSPHHIDPI YEDRVYQKPPMRSLSQSQGDP LPPAHTGTYRTSTAPSSPGVDS VPLQRTGSGHGPQNAATAATFQ RASAAAGPASNYADPYRQLQY CPSVESPYKSGPALPPEGTLAR SPSIDSIQKDPKSPYILCDGGNPF CALVYRPPSSRERASSL/LKSMCY Q*NRLYPKFRRVLGSGFEGMQ RRFCASKGIKGRFCGSSLEQDC EHGGQHPCYPKLVPTLWNP HQ REGNQKNSE RV
4987	35355	A	5028	123	3825	
4988	35356	A	5029	1	593	MQVCSSGGRIILRVSGTERQLRR EGGRFCLGRGVRLREGGALR APFTAPSLTALPPDIVDIK PAN MEDL TEVTTASESHPHHCNLFV YSSSKGFLRLCDMRAAALCDK HSKHPCDDIGPIQIHGHLRTSR GWMHLPALQSTFCRCRMDQNL RAFLAPRLCDFSTSQPQGSPEQ PVMSGLISPWTKPSRSSVFSM
4989	35357	A	5030	1	894	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
4990	35358	A	5031	1	3115	RQICSMASELGARDDGGCTELA KPLYLQYLERALRLDHLRQTS AIFNRNISSDDSEGLDDSNPLL PQSGDPLIQVKKEPPNSLLGETS GAGSSGMLNTYSLNGVLQSES KCDKGNLYNFSKLLKSRKWLK SILLSDESSEADSQSEDDDEEEL NLSREELHNMLRLHKYKKLIQ NKYSKDKELQQYQYYSAGLLS TYDPFYEQQRHLLGPKKKFKF EEKKLKAKLKVKKKRRRDEE LSSEESPRHHHQTKV
4991	35359	A	5032	1	1522	MVAQASGQTIREAEVGGSLTA QEVEATSILLSDESSEADSQSED DDEEELNLSREELHNMLRLHK YKKLHQNKYSKDKWMSQLA ALNYLLAGGDEQKLLDLSYSP QNRQPAKAKAHNNNNNNNN NNNNHNKNPKRLDERELLY STATQSFDRNTRSFDEDAKES RAAALRAANKSGTGFESYSL ANPSIRAGEDIPOPTIFNGKLKG YQLKGMNWLANLYEQRLERL RFLQLEQEHTCPQEGRAERLRG QPLKLWALLHFIMPTLFDSHIEE FNEWFSKDIESHAENKSAIDET KLKKVKKKRRRDEELSSEESPR RHHHQTKVFAKFSDAPPGT KKKHLISIEQLNARRRKVWLSIV KKELPKKTLTYQDAPFHVVITS NQLVVQDVKYFQVRKWQYMY LDEAQAALKSSSLTRSNARYPL VSSQRKIHDQVQVTTDKSSKMDP KEEEYIPAKHEMENTKLQFYLS AIGEKQVRWKILLQFQCRNRL LLTGTPIONTMAE
4992	35360	A	5033	1	974	MGFHHIVARAGLELLTSGMCCY FAQDLRPEQSIKASLQRIILRKY EKCGHHNLQKKGKYKSVDEYK VHKGSYNGFNQCLTTTQSKIFQ CDKYVVKDFHKFSNSNRHMTKE NPFKCKECKGSFCVLSHLTQHK RIHTTVNSYKLEECGKAFFNVSS TLSQHMRHTGQKHYYCQGEM GIAFNKSSHLNTHKIIHTGEKSY KREECGKAFFNISHLTTHKIIHT GENAYKCKECKGAFFNQSSLT RHKIIHAGEKPYICEHCGRFAN QSSNLTCHKRIHTGDKPYKCEE CGKAFFNVSSLTQHKRIQQQQQ QTIKQTKNLLNNNNKKLVV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
4993	35361	B	5034	22	684	
4994	35362	A	5035	1	1338	
4995	35363	A	5036	1	596	MGMTDMGSKSKKSQPPSPFP GGAPPPAIGAPAGRERPPGTGD PFNQRPDNLKTCHTSHGSM AETAVINHKRRKNSPRIVQSND LTEAAYSLSRDQKRMPLYLFD QIRKSDGTLQEHGICEIHVAK YAEIFGLTSAEASKDIRQALKSF AGKEVVFYRPGEDAGHEKGYE SFPW/FIKRSPE*RRGKFPPTQM GQD
4996	35364	A	5037	787	1692	
4997	35365	A	5038	289	1338	
4998	35366	A	5039	982	1347	
4999	35367	A	5040	1	780	
5000	35368	B	5041	148	334	
5001	35369	A	5042	2	545	
5002	35370	A	5043	1	732	
5003	35371	A	5044	1	1110	
5004	35372	A	5045	1	1170	
5005	35373	A	5046	1	870	
5006	35374	A	5047	1	1254	
5007	35375	A	5048	614	1236	TARVAAARRRCQWGSAGCS ALTLPRTSSLTLTETPIVQTRM VVRCPATSLPSQWRSCPSSTWA VPKTPPTWTCWRNSAILSL/VVF IRDKLMERRNRRTGRTEKARIW EVTDRTVRTWIGEA VAAAAAD GVTFSPVPTPHTRHSYAMHM LYAGIPLKVLQSLMGHKSISSTE VYTKVFALDVAARHRVQFAMP ESDAVAMLKQLS
5008	35376	B	5049	1	1281	
5009	35377	A	5050	2	893	
5010	35378	A	5051	1	1416	
5011	35379	B	5052	49	768	
5012	35380	A	5053	1	792	
5013	35381	C	5054	1	1461	
5014	35382	A	5055	887	1203	RPEKAR/IWGVTDRTVTRTWIGR AVAAAAADGVTFSPVPPTPHTR RHSYAMHMLYAGIPLKVLQSL MGHKSISSTEYTKVFALDVAA RHRVQFAMPESDAVAMLKQLS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5015	35383	A	5056	740	1431	CCQTLPVFHPHPHSLGPRPCPP TH/HLPSEHRSFLFEAAACHSDS LEPLNLSSGSKTKSPSLPPKAKK PKGLEISA/RPAGALRHRHRLHR PQQSPPLGIPHPSLLLTAQVFIR DKLMERRNRRTRGTEKARIWE VTDRTVRTWIGEA\AAAAADG VTFSPVTPHTFRHSYAMHML YAGIPLKVLQSLMGHKSISSTE VYTKVFALDVAARHRVQFAMP ESDAVAMLKQLS
5016	35384	A	5057	1040	1477	
5017	35385	A	5058	1	1422	
5018	35386	B	5059	1	1404	
5019	35387	A	5060	353	870	AWSSPRSRCPLHRSRTPSLPRVEG QAHIGPGL/HRYQQGHQDLFIL RSDLPSQVFIRDKLMERRNRRTR GRTEKARIWEVTDRTVRTWIGEA AVAAAAADGVTFSPVTPHTF RHSYAMHMLYAGIPLKVLQSL MGHKSISSTEYTKVFALDVAA RHRVQFAMPESDAVAMLKQLS
5020	35388	B	5061	1	1612	
5021	35389	A	5062	2	429	WGHWASPRLWWAWGSPGPAG LKPPGTVAASTGFSQWLLYIETI SRTPELELKNSKVRKDVLS/R GPHSLYLVDQAQLEHAMEIAK VSVQALQAYRAPPRMEQANP KTPPDANLYKKGSPSPRRANT TRLGSRATKTIHPDS
5022	35390	A	5063	508	1007	PPLAQKQAVASQSHSPCGGFHR RWFMRMTGEIMKIITCFKLVP EEQDIVVTPEYTLNFDNADAKI SQFDLNAIEA\ASQLATDDDEIA ALTVGGSLQNSKVRKDVLSR GPHSLYLVDQAQLEHALPLDT AKALAA\IEKIGFDLLIWTSSRI QAVALASPLSNT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5023	35391	A	5064	1	1670	MNIEFFDPPIRVSGTLNRNIQH PFHLTGIRYCIDERQRTVNDVL QAHAGRVLQYQLPAPATATFR CQSRNRTENPQFLVCQWAGED QITQLLQEQWRVLIWMIFRTHN HMAGPRRWFRMLTGEIMKIIT CFKLVP EEQDIVVTPEYTLNFD NADAKISQFDLNAIEAASQLAT DDDEIAA/VLTVGSSLLQNSKVR KDVLSRGP HSLYLVQDAQLEH ALPLDTAKALAAALEKIGFDLL IFVKGTCLVLLVAFGLVTTTHFQ PCLFGVQNGEQETVQILLVGVV GGMERAERIIPFTLAINNQPTT RLTKTIAQGMPIIQRNIPNRIS LQPAPTPRHSANPATMQPHAQ ATPTPKPHTRITPTPRPPHQRSA TPGTQRTPTPGPQTARDRAKPK DHTRPQT AHTAHTSNDPQQR HRTQRHTNKQHPHPAPRLPT LPQNNKRQKPAESDTRKHHTP HMRQPTAHAETTARNTQAAQH CHTQNT PQANRHATGDRPEHH QARDRTRIDPKPNPDRTITTGHT KGTTYAHKHPTLATHHMTRPT TGHRRGTHH
5024	35392	A	5065	548	924	GLLRPRFSVNSPIIFNTWLLSAN SINWR*YGFMP SLLILL*LNPM GRYSGASLVSRMASTTLPGHS IAMRQPVCGIFALTRAISI/AM WDFHVEDFMPERMA LNLVLNS AI*LPKIFPARWMKFS
5025	35393	A	5066	33	424	CRFDESFWCDA/HAI FVAPTLY AYDFYADKTLVPLTDALANTW QKQFPLDYKGRLWGSVAFVI GSALTGKLVTFDYRVILALLT LGVASMLLGFLIRPTIQPGASL QQUESTGWSAWLALVRQNWRF LA
5026	35394	B	5067	1	265	
5027	35395	A	5068	142	609	CLFRQVSAPHITRVCITRSAATI QTIDLNNLDTGD* LQAPFPVW LISPGPFHPTPSVTRVPLEKEIRT FAQLSVLHGINAEFFDKPLFS SLVLTLRDEGYISDSGDAEPAE TMKVYQLQTNIVIIHKCFKAGF TLAVGNQFLLINKQRASHQN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5028	35396	A	5069	983	1387	LVWKVIPWRPAWKITLCVLNS CRRACLFAPAT*TANRLQAVC/ WLQSANPSINRGTLKESRTVA QRLSVLHGINAPEFFDKAVFSSL VLTLDREGYISDSGDAEPAETM KVYQLLAELITSDVRLTIESATQ GEG
5029	35397	A	5070	1	1815	
5030	35398	C	5071	1	354	
5031	35399	A	5072	1	678	MTDKQQGEKQKQKTEDKTKT KQKQRKNKTDKRRKTKTERNT QRTPERQTNTNQTRTKQ/RRPD TGVQTADTRQDTSARRLMRQP RSAAA WMAALRGARDPKLITM VPHSKISRSIVRKGLPMTETQRR TETSKNYRPREQQTRNRQQQD PRQQRITVQTHQQEERRETKDN NTHTKPHETLARRHRRHNIHAL AAADLVIEAASEVWKSCKRSL HSWRKFAPTNIDH
5032	35400	A	5073	93	729	SADPRNRDRTRAAKTRDAGK TDC*NL*THIETPDGDRYSRAG SCGPG/PLKRRNLNWKSKKRS HSWRKFARHKRY*PLTLRQSLY TAIAAEIKNPERVAGLHFFNPAP VMKLVEVVSGLATAAEVVEQL CELTLSWGKQPVRCHSTPGFIV NRVARPYSEAWRALEEQVAA PEVIDAALRDGAGFPMGPLELT GPDWAGPPFCCHLFGV
5033	35401	A	5074	145	1038	SILRLRQKRKQLTAYDFADNCD KALY*RNHRLREILALVCAHD RQKK/YLPSLAGFL*LKNEINRL SVRGW/SRRRSFSVR*/PFTNTD RARSHFYQFVIIDELQSLFQSHA DRRNQNNGFVSTGTHVGQFL TGQAVYSQVVRAMNTDNLTF VNFCTVTEQLTAILQTEQRER DRFTLTVRDQYAVLTLTHTFRT YVVVVAEGGVQQTSTGSHGHE LRTEANQTTAWDHVVETYAAF TVWIHFVQVALTFAQRLHYRT LMLFFNVQSHVFIRLLFTTVDF EDNFRGTGYRQFETFTTH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5034	35402	A	5075	39	4329	YAPATFSAATQPTPKKINNVPV RNSAMHWQTRIQQAQNGYWL EREQWLA VGEQWFWRMWESG PHRAAAGRLCHHHGNDATWH RG*FHLCFRQCV**RIEQPQEGY AIIMETTPPGTG VNFVFSDDPAF DKGYAFDFFCLEPMSHAPDDH HRPEGGDLIALAPGESTTSEMS LRVPVANCAVTTASLDSYYGE AMAIGERAPVALLDFAASARL AVGEALTNIATQIGDIKRIKLS ANWMAAAGHPGEDAGLYEA
5035	35403	A	5076	1	625	MRASGTDEAVVLVPPIRMTELEQ ALEFIDDDDELVEGAAAFAFEALE MMGSGRDRERVYGEQSPWFDI VLP CGGGITLTLHKLRS AQPLL AVLNRLEQKKPVGLRYDPQAQ SLVCLPTQTRTGWNLNGFEASI THRALRTSRDGYQYQCQPRT LTIRRTVIMTGSSDPHDTTDSNN DRVLGPSRYDGYQYQCQPRTL TIRRTVIMTGS
5036	35404	A	5077	3	516	ATLSCEVLENLAASPVVTTLE YTLFDGERV VHS SAIDHLAIEK LTSASLAFTVEQPQWSAESPY LYHLVMTLKDANGNVLEVVPQ RVGFRDIKVRDGLFWINRYV MLHGVNRHNDHRKRRGVGM DRVEKDLQMLKQHNINSVRNA HYRKRNRKEVRTKKKIESIEEK
5037	35405	A	5078	3	678	ASYCYCTRNDELVA VCD SRLS QRQALAEYGNASVWDDPQA MLLAVKPDVVSVCSPNRFHYE HTLMALEAGCHVIAQAREM/CD TARKLGKVLAYDFHHRFALDT QQLREQVTNGVLGEIYVTAR ALRRCGVPWG VFTNKLQGG GPLIDIGHMLDAAV MYVLGFPR /SVEDSLCGTIELHSGCILWLETS FALNIREHAIMNIRFCGDKAGA SVFPAHIYATATQR
5038	35406	A	5079	2	294	YSFMV/PIFGRRRWTVFSTAIL/I PCVWLGIAVQNPNT/PFGIFVIA LLCGFAGAN/FASSMGNISFFFP KAKQGA/PVFAF/LGVNVPQA DGSVMSLAMPH
5039	35407	A	5080	1	834	
5040	35408	A	5081	2	135	QYASALVSTAIALLVCLAFLY PAANSEIHLGLVSIFWGD PDG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5041	35409	A	5082	1	324	MQGGYNIHPLIDALDDAKLAPI AAKALSHTLLMFDNFYDVEEK AKRGNEYA/QVMQSWAD/AEW FLNRPALAEKLTVTVFVTGET NTDDLSPAPDAWSRPDIPLHAL GC
5042	35410	A	5083	1	866	MGLAQAKLLIEAPVNGGRNYN GPKVAKFLVGGASLNDVYLHQ HDKYRYDRYHLIRNREKTHIM PEWVTQNMNGRGVNRLLDDVN RPKSPEIKNDIRLFRQELRDAAY HFQGDADNDQLSVTPLVGLGK SSLLIK/TIFHRMRWAEQNLSICS SSFNRPAlFVRNIIQLREGKKV EITVGDKEHENDFYIPEDEPFKIIG ALPYLYEINLRRFLSRLQYYVN TDQLVVRVWKEDDNITYHLAK GWGWDKWMVITGINKLDPR AWRLDLENAILIHDPLQLELAPQ REKELE
5043	35411	A	5084	1	3483	VMFFFLPGLLMASWATRTPAIR DILSVSIAEMGGVLFGLSIGSMS GIL/SLGVVSETLWDT*/CHSW RCPAH*SG**Y*/VLALWLTSP LFAVGLGVFGASFGSAEVAINV EGAAGEREMNKTLGLPMMHGF YSLGTLAGAGVGMALTAFGVP ATVHILLAAALVAQIAAWYKAL QEIQIPDFIPRAPQRMADVAK TLAGEGRHLAIEAPTGVGKTL SYLIPGIAIAREEQKTLVVSTAN VALQDQIYSKDLP
5044	35412	A	5085	1	848	MLVGKVVVSEGA SFRTHGAVD TSKAYVSLNSGWTHIADITTTN QNTLLNLNLANLMSDANVIMMD EPVTRSSVTASAENITLTTNTL SGNGNFYMRDTMANHQSDQL NVTGQATAGDSLTLVTTGGGD AAFTLGNAGRVDIGTYEYTL DNGNHSWSLAENRAQITPSTTD VLNMAAAQPLVFDAELDTVRE RLGSGVKGVSYDTAMWSSAINT RNNVTTDAGLRAQAIKTVHHR QNRLIHFSLNGSTFNVYRHFR TKTCPKDAETNGKEQGRCQPE CQT
5045	35413	B	5086	75	1777	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5046	35414	A	5087	1	860	MKAPGLPADQQFFADLFSGLV LNPQLLGRVWFASQPASLPVGS LCIDFPRLDIVLRGEYGNLEAK QORLVEGEMLFIPARAANLPVN NKPVMLLSLVFAPTWLGLSFY DSRTTSLHPARQIQLPASLQRG EGEAMLSALTLSRSPLEQNIQ PLVLSLLHLCGSVVNMPGNSQ PRGDFLYHSICTWVQDNYAQF LTRESVAQFFNITPNHLSKLFAQ HGTMRFIEYVRWVRMAKARMI LQKYHLSIHEVAQRCGFPPDSY FCRVFRRQFGLTPGEYSARFQG
5047	35415	C	5088	86	601	
5048	35416	A	5089	1	870	
5049	35417	A	5090	305	625	VAPGDRHAFPLAPSGLSPELTLP QTQCCAQATVQGLEGRSWSQ SGTSSLSPWSHTSLRRRRKEEG EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEE/EEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEAKTQ
5050	35418	B	5091	1	552	
5051	35419	A	5092	2810	3117	LTLNSHMAPALIPILAMSAPMT PMKN/LSQVHAQGLVIRDLPLIA SNFRNTEDLSSYLKRHNIVAIA DIDTRKHAACAVPNTLVARGL RKHLKRVAAPQHWIAG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
5052	35420	A	5093	2	1902	LKYPMKRVGKRGEGKFERISW DEALDTISDNLRLKDYGNEA VHVLVYGTGVDGGNITNSNVPY RLMNSCGGLSRYGSYSTAQIS AAMSYMFGANDGNSPDDIANT KLVMFMGNNPAETRMSSGGGVT YYVEQARERSNARMIVIDPRYN DTAAGREDEWLPIRPGTDGAL ACAIAWVLITENMVDPFLDK YCVGYDEKTLPANAPRNAHYK AYILGEGPDGIAKTPewaakIT SIPAEKIIQLAREIGSAKPAYICQ GWGPQRHSNGEQTSRAIAMLS VLTGNVVGINGGNSGVREGATG SAVGEEVFNMTSGYQEILTD\
5053	35421	A	5094	8	456	LPIPSNRYSISYPILAMSAPMTP MKN/LSQVHAQGLVIRDPLIAS WFRNTEDLSSYLKRHNIVAI\
5054	35422	A	5095	377	1228	DIDTRKLTLLREKGAQNGCIIA GDNPDAAALALEKARAFPGNG MDLAKEVTTAEAYSWTQGSW TLTGGLPEAKKEDELPHVVAY DFGAKRNILRMLVDRGRLTIV PAQTSaedVLKMNPDGIFLSNG PGDPAPCDYAITAIQKFLTEDVP VFGICLGHQLLALASDVEKNVV MITAQNHGFAVDEATLPANLR VTHKS/LFDRYVTGHSSHR*TG\
5055	35423	A	5096	1	519	FSFQRHPEASPGPHDA/APLFD KQARGRLCPAKPGWSCP RPW QPTFC/GQCCLKVRPGVIGDHF GALKFDCPTGTRTCLGRITPLFL PSSPIWNGCIFPIPVPGDCGEG VQIRSLSCMVHSGSISHAAGR EDALCGEMPFDQSLKQLCSVP CPGDCHLTWSEWSTCELT CID GRSFETVGRQSRRTFIQS FEN QDSCPQVLETRPCTGGCSPQA RPAAIRQCIPACRKPF SYCTQGG VCGCEKGYTEIMKSNGLDYC MKVPGSEDKKADVKNLSGKNR PVNSKIHDFKGSWLSQLDP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5056	35424	A	5097	1	743	MCPAIDAVLVVYNNRKTWNLSD PMPVGMGTVKYVLM SAPATT ASYIQLDFSPVVQQQKGTIKL ADAGEALTFP/RGVMPKA/PPQL LVPATFLSAELALLQKSFHVNI QDTMIGELPPQITKTLARFIPEV AVA YPKSKPLTTQIKIKKPPKV AMKTGKSLHLHSTLEMF AAR WRRKAPMSLFLEE HFN LKGQ HSLHENQLQMATS LDRRG N/YT GFITSYLEEAVIPVNDVLQVG LPLPDFLAMNY
5057	35425	A	5098	2327	3435	KTTTLEDNLGNTIQDIGPKDF MMKIPKANATKIKIDEWDLIKL KSFCTAKATTKRNVNKQDESLRS HYE*WGMLTDCVVMRDPNTK RSRGC GFVTYATVEEVD AATN ARPHKVDGKVVEPKRTVSR ED SQRPGAHLTVKKIFVGKIGEDT EGFAFVTFDDHDSVDKIVIPKY HTVNGHNCEVRKALSKQEMAS ASSSQRGRSGRG GFGNGENFNG CGGNFSGHGGFGSGHDGGGYG GSGDGYNGFGNDGGYPGGGPG YSGGSRGYSGGQCGNQDQSG YGRSGSYDSCNKGGRGGFGSG SGSNFGGGGSGYDFGNYNQY SNFGPMKGGN/ GGRSGP*GD GGQYFAKPPNHSGYGSSSSSS
5058	35426	A	5099	1	636	MRDPNTKRSRGFGFVTCATVE EVDAA MNARPCVVGR TVEPK RAVSREDSQRPEDETELHLRDY FEQYGKIEVIEIMTDQSGGKKR GFAFVTFDNHDSMDKTVIQKY HTVNGHNCEARKALSKQEMAR ASSSQRGRSGSGNFGGGRGGGF GGNDNFGRGGNFGHGGFGGS HGGGGYGG/SGDGYNGFGNDG GGGSYNDFVYNNQSSHFGPM
5059	35427	A	5100	1	3622	MTGICYTEDERSYKKNQAQPTA ASKKQKETQKFCLRV DGGQKV KLSVLQEKSAQLTVQLKSQKFL GHPTAGRGRSELCLDLPDPPE PVALET RSVGTWVRERDLGMP DGEAALAAKVAVLETQLKKAL QELQAAQARQADPQPQAWPPP DSPVRVDTVRVVEGPREVEVV ASTAAGAPAQRAQSLPYGTG LRLAMPGRPESPPVFRSQEVV ETMCPVPAATSNVHMKKISI TERSCDGAEMKWEDQNIQD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \=possible nucleotide insertion)
5060	35428	A	5101	1	782	MRRRLQLDSLHPSPCFSSTLK CGKAAAAACDSDQIQLRLQT GHLPCASHTICPPNHHQSSTLR PPLPPPHNHTLSHHSSANSLSN RNSLTNRRSQIHAPAPAPNDLA ITPESVQLQDSWVLNSNVPLET RFWCCQRFVLVFPGLQLHLTSL LPVWSHGALPVSLCIFTWLSH KDTSHFGLRVHLLSLPLEAKYS FYPGCPVLEAPAPNPLKGPWCLW GVGTFRRYCTTFLFNESEPKDL VGEKFKSDRLCREAHLQE
5061	35429	A	5102	3	1864	
5062	35430	B	5103	1	525	
5063	35431	A	5104	2	351	RPAVGAESNPSKRHRDRUNA EULDHLASLLPFPDIISKLDKLS VLRLSVSYLRVKSFFQVVRQRR EIHGRNCQKRNQNLKDRGWQ WQMPKMWMITRANEGPCRS GPEHWTPRP
5064	35432	A	5105	1	375	RPLQKQRPVGAESNPSKRHR DRLNAELDHLASLLPFPDIISK LDKLSVLRLSVSYLVGKSFFQ QGLAVADAEDVDHTGERRP MSFRPRALDTQALRRRTQFGLH LLMVNIAGLIATDRL
5065	35433	A	5106	407	910	NVTPAHYDEQQNFFAQIKGYIR CILFPDQFECLYPPVHHPCYR QSQV*LDNPDYERFPNFQNVVG YETVVGPGDVLIPMYWVHHI ESLLNGGITITVNFYKGAFTP KRIEYPLKAHNKVAIMKNIEKM LGEALGNPQEVGPLLNTMIKGP IQLACQGSRRPAR
5066	35434	A	5107	237	908	HEKPGRQRETRSQNHSHHHHH HHHHQEKIRIQTFTFP*EDTER SDCPQAKKRSRRNQPC*HLDF ELPAARAATQPVNSGARAGRA GATVPRHTATLLHHQRRDYA GGSLCDIDRAPDAKQGGKS*ES ETDSRFWKGTVC*DHTAGWVH GRPTTPHHSSPDSRNGGQFLHQ QIALAAGWREGASRPKQEP GPEQQRGRREPVQGKAPSG HQSHPAE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5067	35435	A	5108	57	873	SGLCTAAFHQMEVVT*SVSS RS*R/PTTPVIAQWAHEQSGHG GRHGGYAWTQQHGLPLTKAD LAMATAECPIQQQKPTLSPRY GTIPQGDQPATWWQVDYIGPL ASRKGQRYGFAYLARNVSAKT TIHGLMECLJHHHGIPHIASDQ GTHFVAKEVRQWAHAHGIHW FHHVAYHPEAGGLTEWWNGL LKSQQLRQLGDNTLQDWGKVP QKAMYALIQCPYIGIVSPIARIH RSRNQGVKVEAPFTITPSDPL AKCLLPVLVTLRSAGL
5068	35436	A	5109	1	311	QITMQPELPIMNWVLSVPSSHK MGHAQQHIQEV AQMPRVSTPA TLPSLPQPALMAPWTVPYDQL MEEFKARARYAGTIQKWTA LQPLSRTSLKDSGEGTSKW
5069	35437	A	5110	3	591	DPADPMVLEVSEADRDA\VPIS ESQQRPLGFWSKALPSSANNYS FFKRQLLACYWVLEIEHMT GHQVTMRPELPINC\VLSDPCH KVGHAQQHSIIKWRWYIHDWA EGTSKI.HEEVAQIPMVSTPSLP QPAPMASWEVPPYDQLTEEEKT RAWFTDGSARHAGATQKWTA VALQPLSGTSLQDSSEKSSQW
5070	35438	A	5111	1	582	
5071	35439	A	5112	1	635	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5072	35440	A	5113	2	1538	FFPIGFWRQHPIRLSVLLQHIY* VT*KAASFEGWPKQEAL*QV QAVVQVALPLGPYDPADPMLL EVSVAADKDGCSLWQAPIGES QWRSLGFRSKALPSSADNYSSF ERQLLACYWALVETECLTLGH QVTI*PELPIMNWVLSDPSSHKV GHEQQHSIIKWRWYICDWAVV GRESTINGLAGWSETWKKHH WEMGEKQIWGRSMWMESEW SKTVKIFVSYVSAHQCVTSTEE DFNNQWDGMTCSVDTTPLSL TTSVIAKWAHEQSDHGGRYGG YAGAQQHGLPLTKADLAMTTA ECPICQQQRPSLSPQYGTISQGD QPATWWQVDYIGPLPSWKQQR FVLTVIDTYSYGFGAYPEHNTS AKTTVNGPMECLIHRRHIGPHGI ASDQGTFRFTAKEVWQWAHAH GIHWFYVYPHHPAAGLIGWW NGLLSQLQCQLGDNTLQGWG KVLQKAVCALNQHPYGTVSP VARIHGRNQGEVEVAFPIITS SDRLAKFLLPVSSTSCSAGL
5073	35441	A	5114	488	966	ILVSGKQGSVCPGPSSSGTRGSS SPGVAVSNKAAATVGPQ*VTQ QEGGPGSRQRTRAGSPVLPAG PSAVEGEEGSWTPGGPQVPRKR SAAPSRQR*HWLRCTPA*QRRG DWPRAAGRCHAAARPPAAGSRA PTKISARPTRISRLGPRAASKAQ RLQRL
5074	35442	A	5115	197	421	KLKATMNSFHKS*SCALVSTRP CSPRGDPRLATLTIPALVEPPCG TQDPKMAAEAPQRPGKRLGRN LLRRRRPT
5075	35443	A	5116	3	5649	LLEKLQRQIHDKAVALERAIDE KFSALEEKEKELRQLRLAVRER DHDLERLRDLVSSNEATMQSM ESLLRAKGLEVEQLSTTCQNLQ WLKEEMETKFSRWQKEQESIQQ QLQTSLHDRNKEVEDLSATLLC KLGPGQSEIAEELCQRLQRKER MLQDLLSDRNKQVLEHEMEIQ GLLQSVSTREQESQAAAEKLVQ ALMERNSELQALRQYLGGGRDS LMSQAPISNQAEVTPTRGLGK QTDQGSMPQRSDDST
5076	35444	A	5117	2	157	YLGRLHCLFSEHEHSSRKEMV LVEGLCSEQGRG*TLASSSER KPLENER

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, /=possible nucleotide insertion)
5077	35445	A	5118	248	621	TDEPSLLSHTFCPKGALLSACSG ACPLSSGTQAGMPPSTEALQPC RGLTVPHQ/LG*RPQGMLWWK ALAADWSVEWQKGRRLGKA LSVTSRTGRLLCR*GSAEAAAS PLAASPRRSSRALGAGIP
5078	35446	A	5119	2	157	YLGRHLCFSEHEEHSRRKEMV LVEGLCSEQGRG*TLASSSER KPLENER
5079	35447	B	5120	125	994	
5080	35448	A	5121	1	550	RRYRPRRVQDPGGPAEAERGPP RRLLNARVHVCRAEASERAPGP CGRVSAHVERARDPRLE*QLED KAAPRQDFTQQLRGPEKH VWQEKEDMHKQLVEASETLKS QAKELKDAHQQQKLALQEFLE LNELMAELYSQKQKVWDKEEE MEVAMQKADMMWQE!*RSKK LRKRMLFSQMRWL
5081	35449	A	5122	135	638	GSFPGAPLQTLVTLGLAWQS SGWILRGWLVPVPRACKSPRGQ ALAICLSLRGLGARSTWAETRP QGPRGSLASLCPAHMDLSIWKT GDGGPRSAFVKVHQGSLNTFG VDTAARRLSQARTAPSPSV\SAP SSAAAPASAGPPAPGAPPTPA QALRPAPPSPRPAER
5082	35450	A	5123	193	610	VGELLPFRFKISLRPFLALCSSL GPCRQPHSGSVPA*NPLLGPR KSSPHSGCGLAPFAIPPELLRRLP LEGSAHCPAPEGAA SPPTSWDS ADPPCRETSIFAPPRVVLTPGPS APQASPSQPLFLTPRWDRLPES VL
5083	35451	A	5124	2446	2630	VGFFFFFWWGERGTGSYSVTQ ARVQ*YDLGSLQLLPPSFKGF CLSLPGSWYYRHGPPRLG
5084	35452	A	5125	3	710	EDGDWDQRRGGEAGDQDQRR GGEDEDQDQRRGGEDGNRDQ KRDGENDWDWKREDENDQDQ DEKREGEDGNQDQRRGGEDGD QDQRRGGEDGNQDQRRGGKD GDQDQGRGGEDGDQDQREG EDGDQEQRRRGEDGE*QDQRRG GEDGGQDQKRGGEDGNQDWS REGEDRD*HWRRGGEGVE*QD RRGGEDGE*GQRRGSEDGDWD RSRGGEDGDQDQRSVGHLC HSGPPASGCVS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5085	35453	A	5126	506	882	RCSGGGFDGNKGTALPTISA DTRCWRTRLRVQTMTCRFRRF KAFFGIMSCGRTGRILFPFPCS MSWIPCRANKS*GNVISQSPSK NR/WQIMMVIQLLNFYLPGLDFV SFRIMLKGNWEVTRTRG
5086	35454	A	5127	107	1327	ERRKRAVGGFDLVLGEQPSDKI FR*VIV*GLALWLPKSFVIPP AELAINPSAKCKTDMTVMEDA VEVR*VWLQD*GLDSLEVLLDS FGPVRDCSKDNGGCKNFRCS DRKLDSTGCVVGLPCKLVVDS SGCYDRHIGVDCSDGFNGGCE QLCLQMAFPDPDTLYNILMF CG*VELPARPLDGRSCQLITETC PEGSDCGESRELP MNQTLFGEM FFGYNNHSKEVAAGQVLKGT R*TSYT*N*YQQLPDGLVVATV PLENQCLEEISEPTDPDLTGE CAFSTLFGYPVLQHWKVR SVM YHIKLNQVAISQGEHCRLSCD GATSRADFVALLDQFGNHYIQE AIYGFEECSIWYPNKVQVRRL WLEYEDISKGEWHACWQILSTF PWIVISLHNCLP
5087	35455	A	5128	3	23	FYSAFLVADKVIVTSKHNNDTQ HIWESDSNEFSVIADPRGNTLG RGTTIT*VSIPPSL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5088	35456	A	5129	1	2462	MRALWVLGLCCVLLTFGSVRA DDEVDVDGTVVEEDLGKREGS RTDDEVVQREEEAQLDGLNAS QIRELREKSEKFAQAEVNR MKLIHSL* [*] NGIFLERLISNSS CVALDRLSLISLTDENALS [*] VNE LTVNKKCDKEKNLLHVQHTGV GMTREELVKNLGTIAQIWDQ ASFLNKM [*] P*SHRKMGPVNLPEL IGPVWVSGFLFPPLVADKVI VTSKHKQPIQHIWGVWTPNGIFL *LLDPRGKHS* [*] DRGNRQFTLCP *KEEASDLPWNLDTIKNLRQKN IHSFIKLFLLIYVWSSKTETV* [*] GA PWGEEAAKEEKEESDDEAAV EEEEEEKKPKTKKVEKTVWDW ELMNDIKPIWQRPSEVEEY KAFYKFSKESDDPMAYIHFTA EGEVTFKSILFVPTAPRGLFDE YGSKKSDYIKLYVRRVFTDDF HDMMPKYLNFVKGVVSDDL PLNVSRQLQHQHLLKLVIRKLL VRKTLDMIKKIADDKYNDTFW KEFGTNIKLGVIEDHSNRTRLA KLLRFQSSHHPTDITSLDQYVE RMKEKQDKIYFMAGSSRKEAE SSPFVERLLKKGYEVIYLTPEVD EYCIQALPEFDGKRQNVAK EGVKFDESEKTKESREAVEKEFEP LLNWMKDKALKDKIEKAVVSQ RLTESPCALVASQYQWSGNME RIMKAQAYQTGKDISTNYAS
5089	35457	A	5130	45	416	RWGLAMFPSLDNKSSETLSQKK KKKDLCPHISFEMDLTTADAR WVQDAATRLATRCPPNSRG SR**ISWRAGCCPGGWAGPHW GHDGCL* [*] PSCVSSS
5090	35458	A	5131	3	477	GRLPRHRGGEPGAQAPAGRQ P RGGAATAAGAPRAGGGAAA GNARRCREAAARDPHHGE SGS PEPSQCEGAHQRAQRAQGD* GGSGATGEGRRGHDSHNP LGRV RVRGSTLPPS**N* [*] VGL* [*] VPSWP QCGPAHPPGQHPALQEIHQRLP LESGGHRV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
5091	35459	A	5132	3	446	RTGSWGWASASQQRHKKDRGL DSAGSGWVSHILPVAPPADADA RPSASRWRRQGSHPGRTECP SVQPLCLPPAGHHRNHSIASPS QTPPPRSLPGSQDKSLFLPRDRR TGEGETGHMN*APLSAPGTSCRS GGSTSWLPEILGPTQ
5092	35460	A	5133	352	588	DIFKVGCGFLFKRLRCQQRFFL LIFSSSTQSA*RVSNQPYH*EIK MAVYYGELRKNGLIQESCDNIQ PRQGSFNMDSMQ
5093	35461	C	5134	13	144	
5094	35462	A	5135	587	1078	LSQRFPSSRIKLQRLSLQNGIP QIKELDYLFRTNSNQINFNLISH RVRRARPPAPPGRPNPSGPDPRP EPPARAGSSRRGPGPEPPRRQPQ RRFRRRGPDPRGRLSRGL*RRR ARPASQPQRQHHSRGPAGRPGV APRRPAGLAAAAERLTARGAA ASPAIPRA
5095	35463	A	5136	44	455	HLRNRTR/PSQITPHIYNHLIFDK /PLFNIWWENWLAICRKLKLD PFLTPTYTKINSRWIKD*NIRPKSI KNLEENLGNTIQHLG/IGKDFM TKTPKAMATKAKIDIWDLIKLK SFCTAKETIIRVNR/LPT*WEKIF AIYP
5096	35464	A	5137	101	861	LIGYQPKMSRTRRIHSKRLPERIK YLGSQLIRDVKDLLKENYKPLL NEIKEDTNKWKNNIPCSWIGRISI VKMAIL/PQAICGKGLKDPFLTP YTKINSRWIKDLNVGPTTIKTLE ENLGNTIQAIGMGEDFMTKTPK AMATKAKIDKWDLIKLSFCT AKETTIRVNRQPTWENIFTIYP SDKGLISRIYKELNQYKKK/TR NPIKK*VRDMNRHFSKEDIYAA HRHMKKCSSLDIRMQIKTTM RYHLTP
5097	35465	A	5138	3	314	LKSFCMAKETTIRVNR*PTEWE NIFAIYPSEKGLIYRIYNEATNK DLVRRSGPLKTPKKKSQTLVLN LVTFRKTPALSEEKESAQVLWQ FKKPECVLTSKRVH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /=possible nucleotide deletion, /=possible nucleotide insertion)
5098	35466	A	5139	1	1278	MNIDAKILNKILANRIQQHIKKL IHHDQVGFPEMQGVWNICKSI NIIQHINRTKDKNHHISIDAEK AFDKIQQRFMLKTLNKLIGDGT YLKIIIRAIYDKPTANIILNGQKL EAFPLKTGTGQCPLSPLLFNIV LEVLRARAIMQEKEIKGIQLGKE EVKLSLFADDMIVYLENPVSA RNLLKLISNFSKVSQYKINVQK SQTLHTNNRQRESQIMSELPFT IASKRIKYLEIQLTRDVKDLFKE NYKPLLN
5099	35467	A	5140	1	430	GGVFFLRTPTDCCGMLQGAAG STGFYASEARPRGPACSLDRGS SSLLSWGLHQDPLFPAKQHRH EAGRADQNSPRRLSTG*QTPT L*RRPAAATGRRRAQPPRATSV SAPASPPCPRARPPHHARPPRVL ACQP*ATAPGP
5100	35468	A	5141	1	346	
5101	35469	A	5142	3	1336	
5102	35470	A	5143	5	283	
5103	35471	A	5144	1	1368	
5104	35472	B	5145	1	838	
5105	35473	A	5146	1	962	
5106	35474	A	5147	19	87	
5107	35475	A	5148	41	831	GLQNPKHQSSQLVLDLKMKKSL LQCMFYQLIVLQ*YLK*YLGTO LTRDVKDLFKENYKPLLKEIKE DTNKWKNIPCSWIGRJNIVKMA ILPKDPTTAQLSPRGSTAQKGH WRPCPLPRGVPSPRGPTSH HHDPGPGGAPVNTGSEWRQ KLRSGPKSDWAGRAQAPSLGE GGAKNGKSHPGSHRAFSLPRAP RRLLPGSQPGRFRGFLKQARGR AGEGHSAILLAPESPNAQVSNV TSATYRSNLSGLPRPCSVVLLG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5108	35476	A	5149	1	2233	MKAIEIKTFETNENKDDTYTQNL WDAFKAVCRGKFTALNAHKR KQERSKIDLTLSQLELEKQEQ THSKASRRQEITKIRAELEIET QKALQKINESRSWCFEKIHKID RPLARLIKKEKNQIDAIAKND KGDITIDPTEIQTITREYYKHLY ANKLENLEEMDKFLDTYTLPRL NQEEVESLNRPTGSEIVAIINSL PTKNSPGPDGFTAIFYQRYKEE LRIKYLGILTRDVKDLFKENY KPLLNEIKIEDTNKWKNI PCSW VGRINIVKMAILAQGNL*YIKFN AISIKLPFTFFIGL/EKNLTFKFIW NQKRS\RIAKSILSQKNKAGIGI TLPDFQITITYKATVTKTA\WYW YQNRDIDQWNRTEPSEITPHIYT ILNFDKPEKNKHGGKASLFIK W\WCWENWLAVCRKLKLDPELT PYTTINSRWIKDLNLRQIIKTL EENLDNTIQDIDIGKDFMTKTP KAMATKAKIDKWDLIKLSFC TAKETTIRVNRQPIEREKIFAIYP SDKGLISKIYKELKQIYKKKNK QPHQKVGEYEQILLKRRHLCS QQTHESMAHHHWPCREMQINT TMRVHLYTPVRMAIIKKSNNRC WRGCGEIGTLLHCWWDCKLV QPLWKS\VRFLRDLELEIPFDP AIPLGIYPNDYKSCCYKDTCT RMFIAALFTIAKTWNQPKCPTM IDWIKKMWHIYTMEYYAAIKID
5109	35477	A	5150	1390	3491	DLLTRTACAVPGWGCSRA TC QARGWRLSSPPHPSPVQPLLC HLPYPPSPFSLLSNLTPFLRAFPR SLETS*KWART/WPGAVAHAC NPSSLGGRGRWIT*GREFETNL TNMEKPCLY
5110	35478	A	5151	310	445	YLTKIWPGAVAHTCNPSLTGGR GGWIT*GQEFETSLANMVKPHL Y
5111	35479	A	5152	44	1132	PQVIHPRAPKLLEIQEPWRWH DLNQDTPSALCQH*RTC*HRAE GVSWFKSWIHLGGSCNSSSLGA RGGWIT*GQEFETSLTNMAKPH
5112	35480	C	5153	183	323	
5113	35481	B	5154	504	2474	
5114	35482	C	5155	66	269	
5115	35483	B	5156	2414	3096	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
5116	35484	A	5157	9	239	HHHYCQHIIHHHHHHHHHHHHHH LPAPCRNLRV*PVCFRYKLWFH YGKQHLLFLDFLLSHSEWCCEM VSHCGFDLHFSDD
5117	35485	A	5158	3	387	TDTKPLSCSSCPPRGKKPVSHR DQ*RRWGRRCRGEPGTEACWS AGALQF*KPRSRGGRTSKMTSG PSAEKGGG*AGRKPGRRHFGRR VLRHSCVLPVARELWGRHGPC GWRQKNVPWKWSELLPVVAP
5118	35486	A	5159	1	277	MPPPPPPSPGPGVGSRLPPG PAVTGNEKELRGN*VGLAPPR PRFRASRREGVTGKVHRPNRLQ LRAPPKG*SDQRGQNVPPSEAK SLC
5119	35487	A	5160	1	3285	
5120	35488	A	5161	3	194	IPLSLQSKVEGQQLQDDLKVL NELYSVNQMGLAL*QAEGSSI WQLAAIVHQQN*TPSWGQ
5121	35489	A	5162	520	844	VQAPGKCHAQMPAPAAPVPLG RSRNPGRLASAVPVSSLLRFLPF LQPIPPSDILPLSFEAVPSSPAE SGLHPCTRRRKARPPSC*VPLG LLSPQPHPPPHVWRKGIL
5122	35490	A	5163	1	794	FRGFLDRGDCAALPCTYPHSPC SH*GGNCLPSLLTRPCVKA*PQ MSGRKSSMRWRQRSLTAGT SS*TPTSSTMC*ALVGSSTWNC MLQAGSTAPGAGTPGSRPTWS SSSTCSWTAPSGRARCAASS SCAMSAARRGWTSACWRRTS RAWWTTSSPACASSATASVAA STASTWPAARTTGTAESSARP ARRASCTGSPARCWRRRPPT PSPGRPAPPSRRTRAQAGTSA LSPGACFGPRSCC*SSTCSSLSV APY
5123	35491	A	5164	3	57	RIGQGVPPVHS*VEGGPNVISIV LEYLRDTPPPVVCDSGRAS DILAFGHKYSEEG*VKVFLWC THKWKEDPM
5124	35492	A	5165	1	1326	
5125	35493	A	5166	2	337	YSVTMTPGKLRLTCEIDWPALE VGWSSEGLDRSLV*KVLCPEL VPSGGFLVSLTSRMKQPTLTGS VKVLKDGMSGVCSFRCDVSR VSSFWWVRGLAGWSTTLRLKL
5126	35494	C	5167	339	548	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
5127	35495	A	5168	3	413	SQAFLPAASRRERPPPEVDPKA TDPKSGTRRLPPRLPCQWTTPE HSHTSQLNLSRAFPKEPNPAAT Q*NPSGASPRERPHARAQEDRN GEC*EGNGSRPDLEEEASTPRA SPTPSD*PLWLHPRLVLEITPL LQL
5128	35496	A	5169	3	479	FLHSTHIYWAHSMHELLKTAV VSISGQCTSLNTESGIWGGVPE NAR/CPPAEGTVPASLQPRDPPR LPGSH/ASLPSAPPSRHVTWPP EP/EAAGPKPS*IRCRWPPAGAT TKANPKESGRVLESMLPLPKSR SAPVTFSAFACSGLPERVHEVF RVGKLR
5129	35497	A	5170	81	329	QSVSSPWFQFPVQVQKVPVPCY QVYRGDLVV*KHIVAPPSPSS FSGHVRHDCFPFAFHDDRKFE ASPAMLPVSSLGPHYL
5130	35498	A	5171	335	467	MPSTPTARKPESPEALARVESIA CLPSPAP/PHCESPQASEETG
5131	35499	A	5172	1	2424	
5132	35500	A	5173	2	304	CLTKNTSATREKQVTELHRRSK LQPEPAKTKALQTVIE*KDITLC *VKEHLYIVACWALRLHLVFLP TKAGISPALMKVSYPGKPLTLK QLGRLVILQE
5133	35501	A	5174	44	286	GVQNGVEELIVRRMQKSPGP GEMESGSLEKEPLGTQTGPVPS EGTE*TGPPRTPSLQTQGPQRT PSLQTQGPPTPSL*TTQGPLRTL SLQTQGPPTPSLQTQGPPTPS LQTQGPQRTPSLQTQGPPTPS
5134	35502	A	5175	206	384	KRVFAHQADGRARSGFISSAGP GSQAGPGQGTG*QREDVEAAG QPGSTAEGVRT*SDPG
5135	35503	A	5176	270	818	RNERKPSQRTAVGLGAGQLQP GQPGVQSEEPGLEAGCAAGV LPGPAEQDREGIYSK*KRVFAH QADGRARSGFISSAGPGSQAGP GQGTG*QREDVEAAGQPGSTA EGVRT*SDPGSSHPAAAFYEN IQDGEALGRCGAKRTATAAP*Q RG*EGF*AGPTAAEKNEEGPPP VFSLFNHSL
5136	35504	A	5177	122	436	LTSLSAISTKAKVSPLC SARAC SPSPAARAALGSPGFTC*GAGV APTPVVAAPAPATAPATAVAA AATTTVVSAAAMFTRRATRAAA ATGAWGFVAGAPWPLQT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5137	35505	A	5178	20	1341	MRRCVAAPLAHRW*QKLGLP CTPTVCSFLSPQPPPRARSSSAT LSSGAPRAATPQPQTTPSSVQ PCAATPCARGGRPAPAGVTWP TTRPSMA*RTS*ASTTAPRMAP PRSHACARSHRPETARSARTAP RSAITRRAFTSTRPPPTTRTVAS SGTHTSGLSPTASRLARCRAPG RSSTIIT*TCRSPTRLCCPAQRPL PPASSPSSSRTSRSVWTRRCTRL RWTSSRPSPWMALRTVGTSTGP TA*RLRRCQASTWRSRPSSTA PPSWCARWAAT*PLPSACQRK WSMLWRTGTARVSTSAACGAAP STSRSTSRPSTPMLRAPVPAGW QPPALHPQPPRPSHTRQWPWSA RRSCRWRTCTTRPASSTSSPRA T*TSHWPPTTRWRMSRCSTPTK TNCTCMRGLGTCQAGRLRGCP WPPGPSWAPWSRSPWCSLCSA
5138	35506	A	5179	47	598	ASGPASIVVLRRQQFIKFFLDEICS LEERVWCRRKCLLYLWKEPR AVQAKSRCSDIRRELYRYPVSLA GLSGDFLRAGRYSAHTVNGAW SAWTSWSQWA**SRGI.LLALH NMLKIIIAFCSLQVATRIQSTFIS SWHLSPSLGSRSPSLYMSFGS VLCPLFISHDTSSYSTKSQFSFSC LGWV
5139	35507	A	5180	236	690	LQNWSYLAEQCWNGGFIYLIM LRRFKHKAHSTYNGNSSNSEP GETPTL*LGDRATAKKGKRTKRF GVISRPANKAPEESKGSAGE VSSDPSTELENGPDELGNHGV FQLENGPDSLKEVAGPHLERSE VDRGTEHRIPKTDAPLTTSN
5140	35508	A	5181	2	480	WPFWAMVQRPSSAILCGPATLP PNCRGACCACRATGALSAYP AIHRPATRPPAPPAGPLTSPPL SVQNSNPDPPLPSARPSGPAAPR HARHSPSELPAITLSARGSSAL CTKLKVEAAA*SCSASAWNWR LLPRNHVDSRCQPEPDGARARD GRGP
5141	35509	A	5182	3	153	
5142	35510	A	5183	3	239	
5143	35511	A	5184	1	394	
5144	35512	A	5185	1	435	
5145	35513	B	5186	84	2068	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 2009/054,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5146	35514	A	5187	149	832	DAGLSWREATRPGAPLHRPGCQDASTQMTFRPGDPGSSALFPLPSP*PEREELPMSSRRSPKPELPG EACSRPPTRPRPRTATRGPPLN GRLPRARLPVSAGAGALGGGR CRRRVAPRRVTPRLATRPSGVA PRGSG*AATTKLSLAFGVTPLA LTPWSRTPFRKREERPPF*YPRP ATPEASPAHVENFRSNQTRYTS AE*SGQQLERFSAIEISAQATVE PRSTI
5147	35515	A	5188	45	312	AEAQGGAAEAGHGGGGGAPAPS QGCPARAAGARGWQAPAPSPQK PTPSDTTPPPRTQPPVTQCPHP VTQPPVTQPPVTQPRHPMKIPPP G
5148	35516	A	5189	15	549	PRHKEPESQAPGRAPQAAAY QQAASPAR*QGGSCSRCPG*A VEAAPAP*GQALGCVSQGPA*V GPTRSPHPTAGLSRPHGPPSVRS TGWSPSSRLQAQEAPWPVAPT HIPPLDPGQPHSCGLGAGCQP RAPAARAGHP*EGAGPPPPWP SASAPPCASAPVWLWRFPPRET KT
5149	35517	A	5190	1	2445	
5150	35518	A	5191	1	708	FSEGRNRFNLVGPTFRFSTRQTL MWIPDSFFSLLSGRISTLRDET GAIFIDRDPAAFAPILNFLRTKE LDLRGVSNVLRHEAEFYGITPL EKIKMEYCFSCVMYS*QVCFE MFLVRRLLLCEELERSSCGSVL FHGYLPPPGIPSRKINNTVRSAD SRNGLNSTEGEARGNGTQPVLS GTGEETVRLANTIDSKYVAND DWLIFQYVDEEDLMNAIKDFSS VTKERTTFDTHL
5151	35519	A	5192	31	330	YGGTATVQRWAESRHVPFPSPS QEQNANKICSCVQEEKDSADSY GEIPWWQGPERCWPVRLMLAT LGDYKWVLTGIGTDS*LGFTIPT DHANAFSAKEIPQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5152	35520	A	5193	1	734	MISEVIVIQMLFLHAFSKVFSAL IKNNKKPLQDAQIKWKAISGLS GGMRRSECNRRERDQVTRTQCR DISQKIRGPGD*GMATSKNGAM A*QLGPGCQGDASTGNAEFGES AHAWSGGGRVPGVTGPDREEV GRSWQGTSCGGTSGCGRQL* DGVASRGRW/DPARPREQRAG VRQLAAPLGGP*SRRPWEPPGG SSCGRYLFAISSWSGVTVAQEG QRKRSGGK*RTERSGPGLRRL PPLLLTV
5153	35521	A	5194	3	449	EGQRSSSPATALLSSGPPSLKM ATSKNGAMA*QLGPGCQGDAS TGNAEFGESAHAWSGGGRVPG VTGPDREEVGRSWQGTSCGGG TSGCGRQL*DGVASRGRWD DRASSGRESGLHHSGARSLG APGSRPVEAPAGSEAKTPG
5154	35522	A	5195	606	841	CTVGFALPVFY*GFSH*CSSGIL V*NSRFLLCCLQALVSG*CWPH KMS*GGFPLLLLTGIVSEGMP ASLCISGRQL
5155	35523	A	5196	620	930	IPFISFSLIALARTSNTMLNRSG ERGHPCLPVVFKNASSFCPPFS MILAVGLS*IALIILKYVPSIPNL LRVFSMKGK*ILSKAFSASIEIIM WFLSLALFI
5156	35524	C	5197	1	819	
5157	35525	A	5198	591	815	
5158	35526	A	5199	187	387	FFKTICFMVRVRKPPNRLCVS NMAVYFTWVQAGLHCSYPEH L*WSCRLPRRLGGVRL*PLEGE
5159	35527	A	5200	1	1197	
5160	35528	A	5201	119	375	ILDISPLSDE*IAKIFSHVSGCLFT LMVVSILA VQKLFSLIHSLSILA FVAIAFGVLDVK/CLVHA VVNL GIA*VF*GFYGFRSNI
5161	35529	B	5202	1	1053	
5162	35530	A	5203	2	157	
5163	35531	A	5204	12	176	
5164	35532	A	5205	2	223	QTVLEDRSPRARWIF*G**GTIC SIPIPSFWWFSSNLSHSFVCRSPP SSSPGGLPMCTCVSKFPWAVW PFSRY
5165	35533	A	5206	61	308	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \=possible nucleotide insertion)
5166	35534	A	5207	487	898	DFAEVAYQLGISSGVCRTTDFH EPRMLLSDRSSGSFVTHSVFLS FSSLKCL*SPLVHDALHQAHPH GKSRLRFLGSMACCMKFTCPP TLSTVPSSTPFSFCSLIKTRSAT LLKLWSISLRFLHWSWSSAFRV
5167	35535	A	5208	9	191	IPQHIYPPKTKPGRI*ISE*INNRR L*NCGNDQ*LINQKESRTRWIH SRILPKTNREP NHE
5168	35536	A	5209	1	1989	
5169	35537	B	5210	1	1488	
5170	35538	A	5211	929	1209	IPFISFSCPIALARTSNTMLNRC ERGHPCLPVPVFGNASSFCPPS MILAVGLS*IALIILRYVPSILNL FRVFSMKGC*TLKAFSVSIEII
5171	35539	A	5212	242	642	FSLKRSFTSLVSWIPRYFILFEAI VNGSSMLIWLVSCLLLMYRNA CDFFPILLYPETLKLKLLISSSLY LW*NSAVNLSGPGLFVGRLLII ASISEPAIGLFRDSPSSWFSLGR VYVSRNLSSSRFSSFLV
5172	35540	A	5213	747	885	
5173	35541	B	5214	115	1267	
5174	35542	A	5215	209	322	
5175	35543	B	5216	1	3321	
5176	35544	A	5217	390	655	CLFPVHYPRLHAMMHQMKNP VLVLGIGGFILGILVIGGPVSLF KGS*KLLGIETGKISLDHPVPG GTPTKMALYEHFMNTKEFGIE
5177	35545	A	5218	3	221	
5178	35546	A	5219	798	914	FVFLWDRW*YPLYHFLLCLFDS SLFFSLLVLLAVYQFC
5179	35547	A	5220	12	460	YLCMLHEVLVLCFSVPSPGHFSF SLN*LF*LA VPTVTFYQGLSFLA QA*ASQVDFRQLCWQQEFQAS GS*LAGLHSGSIH*ARPLGWSL QLPFQSEWFCLSGVPGATVVS /CTF**SPF*LV*DGISLWF*FAFL *WPVMMSIFFMCLLAA
5180	35548	A	5221	3	508	AERNRSRQGVGAGAGDHEVLQ LLPDKWKQKILCPVQLLRGAW SNYYSPDANRQP**VQGNALHF AECWPHGEDSQPTVPTSQGRM LAGPARHLPHPHVPSPSGSLRG SDSEDTHT*GTVAGSGCLHCLAP GHLHPGWPPSRVLPIDRSVHQ GPGRKAPPTPRVTPFLT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5181	35549	A	5222	584	1052	LRKAAASGSFVFVAPDPNTDTG SSQCESESGSRGCSMGHQRS QHYYHHHHHHHHHHHHHHHH HLDTGWRGE*SRHSAGLCPPSQ RRLHSCQTSPSCSPSGHRCI*LT GIEAA*CHSL*PYQKDACHHFE EHSPPP*RPFLPRHHLHPQSS
5182	35550	A	5223	1614	2308	LRKAAASGSFVFVAPDPNTDTG SSQCESESGSRGCSMGHQRS QHYYHHHHHHHHHHHHHHHH HLDTGWRGE*SRHSAGLCPPSQ RRLHSCQTSPSCSPSGHRCI*LT GIEAA*/WS*PLTLSKRCVSP RAQSSSVTSTSAQASSAPPEKK *L*PERPYSSHPASVADLQMC LPLNRITGQTNRLHRAILLRW MRSCNLLTCTVLSNVFSFSELS YSRNTMCRG
5183	35551	A	5224	3	407	SVGLILPSSLQHYYHHHHHHHH QHYYHHHHHHHHHHHHHHHH ADLPTCAPHQGIRPFGGFPQTS GSPGLPVYAEQGTERTLSLQGT CGCGQAGLLCWGPPVASTSVG FSLESSVSPQVPLSPGPA GTDA
5184	35552	A	5225	1	1287	
5185	35553	A	5226	3	1315	STMALLHSGRVLPGIAA AFHPG LAAAASARASSWTHVEMGPP DPILGVTEAFKRDNTSKKMNLG VGAYRDDNGKPYVLPVSRKAE AQIAAKNLDKEYLPIGGLAEFC KASAEALGENSEVLKSGRFVT VQTISGTGALRIGASFLQRFKF SRDVLFPKPTWGNHTPIFRDAG MQLQGYRYYPDKTCGFDFGTGA VEDISKIPEQSVLLHACAHNPT GVDPRPEQWKEIATVVKKRNL FAFFDMAYQGFASGDGDKDA WAVRHFIQGINVCLCQSYAK NMGLYGERVGAFTMVCKDAD EAKRVESQLKILIRPMYSNPLN GARIAAAILNTPDLRKQWLQEV KGMADRINIGHAGLQLVSNLQG REGISTH\N\WATHSPKLG MFC FHRG*KLEQVERLIKEFSIYMTK DGRISVAGVTSSNVGYLAHAIH
5186	35554	B	5227	57	386	
5187	35555	A	5228	1485	1883	
5188	35556	B	5229	117	641	
5189	35557	C	5230	1	552	
5190	35558	B	5231	250	378	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5191	35559	A	5232	3	1117	TPDPGQGCSEGGIVHETRPSPQP LCQGSCAVGCSPGLLLR* ALGKIPGHRGPAFLPAVESAH VVPGLPGLTRETLPAPLGPHRPP QPPQGPLSTAPPAPLVSLGPHV PGLPGPPPGPCPSPLPLRPCPPPS WLRPHRPVQPWWT*GSGWRP RCRPGAAGRNPGLPRACCRGL CRGPH* RPGGPRPGHSGPRTSS WGRMTGNRPRPSASAG**PRHR R* TSAERPSPQQSASRTGGRS PLSHPGSWWGVMGPPGLWAG APSMWG* GPGSRVAGSGRRP TSRPPHYPPHPPGTWPSGAQS GRR*QAQTPGAATEG*GGWGL PPKPWCPQDQFLGVQDWVLP NGARVGGTAWKRESVLVPG
5192	35560	C	5233	229	522	
5193	35561	A	5234	1	972	MTAEYYKLKQVVTPIAAAVPD VVSLLLEQINISLCTWYAVIDL NACFYIPVHKAHQKQFAISRHG QQYTFTVLLQRRDLDFLSLQ DITLVHYVDGIMLIGSSEQEVA STL.DLLVRHLHARGWEINLTKI QGLATSVKFLGVQWYGACRDI PSKVCDKLLHLAPPTTKKEAQH LAASFEWGPEQKGLQVQVAV QAALPLGLYDPAADPMVLEVS VADRDVWVSLWQAPIGESQWRP LGFNKALPSADNYSFPERQLL ACYWALVETEATPVITQRAHE QSGHGGRDGGYAWAQQHGLP LNKADLAVATAKCPISQQQRPI
5194	35562	A	5235	3	246	
5195	35563	A	5236	3	841	
5196	35564	A	5237	1	746	RDLDFLSLPQDITLVHYVDGIM LIGSSEQEVA STL.DLLVRHLHARGWEINLTKI QGLATSVKFLGVQWYGACRDI PSKVCDKLLHLAPPTTKKEAQH LAASFEWGPEQKGLQVQVAV QAALPLGLYDPAADPMVLEVS VADRDVWVSLWQAPIGESQWRP LGFNKALPSADNYSFPERQLL ACYWALVETEATPVITQRAHE QSGHGGRDGGYAWAQQHGLP LNKADLAVATAKCPISQQQRPI
5197	35565	A	5238	1	483	
5198	35566	A	5239	1	1908	
5199	35567	B	5240	1	2718	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5200	35568	A	5241	522	693	LDFFLVFLQQFLPRPSSSEI*MLP GFPAAYAGPVAAAAVAAARGSGRKYVGTGDSQA
5201	35569	A	5242	1	225	MGRNQSRKAENSKHESTYSPP KDHSSSQAMEQSWTENGFEKL GFRKKEALYYLDLTASCQSQEL FQKWVSLCCPD*SYSPPKDH SSSQAMEQSWTENGFEKLGFR RKEALYYLDLTASCQSQELFQK WVSLCCPD
5202	35570	A	5243	1	1129	PWISAPVPVDVVEGAMDSVT LSFGGLMLYFCAGWPPARRWC FPESISCGSMERDQWWGLQVA KRAGLAGGQSGRTVLRERVRIE IASTHIALAARHSDWRCCRN YPARGPAALQNFQRYTGIQHV HRIGMAERMWCDNRNRHTVS SSGGNRLPNPGDRSCDNLKTC HTSHGVSMAETAVINHKKRKN SPRIVQSNLDTEAAAYSLSRDQK RMLYLFVDQIRKSDGTLQEH D GICEIHVAKYAEIFGLTSAEASK DIRQALKSFAGKEVVFFRPEED AGDEKGYESFPWFIKRAHSPSR GLYSVINPYLIPFFIGLQNRFT QFRLSETKEITDPYAMRLYKSL CQYRAFVNGGEEKARGKPIL CRYGVGM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
5203	35571	A	5244	1	1753	MVDSLIA RVGVGMARGNAITLP VCGRDVKFTLEVLRGDSVEKTS RVWSGNERDQELLTEDALDDLI PSFLLTGQTPAFGRRVSGVIEI ADGSRRRKAAALTESDYRVLV GELHDEQMAALYRLGNDYRPT SAYERGQRYASRLQNEFAGNIS ALADAENISHLIIHAEDTFLPFY LGKKDDVITYAIKPTCWPLDII PSCIALHGIEIELMGKFDEGKLP TDPHMLGLAIETVAHDYDVIV IDSAPNLGIGTINVVCAADVLIV PTPAELFDYTSALQFFDMLRDL LKNVDIKGFEPDVRILLTKYSNS NGSQSPWMEEQIRDAWGSMLV KNVVRETDEVGKAVINHKKGK NSPRMVQSNDLTAAAYLSRD QKRMLYL FVDQIRKSDGTLQE HDGICEIHVAKYAEIFGLTSAEA SKDIRQALKSLAGKEVVFYRPE EDAGDEKGYESFPWFQKQSEE/P QSGNFYTDTLGMAEFRGGGLR ATAGPRLSRTDCQGTKEKVHG KTVFDKTP/VWPKRLKSPSCK NRWP*KMQKLSVCTASSPGQK LSTVRVTQREICFPVVRREVL IGTLTQTRKGQISVRA
5204	35572	A	5245	337	1977	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5205	35573	A	5246	145	1929	VSGVIEIADGSRRRKAAALTES DYRVLVGELDDEQMAALSRLG NDYRPTSA YERGQRYASRLQN EFAGNISALADAECNLIKTCHT SHGSMVMAETAVINHHKRRKNP RIVQSNLDTEAAAYSLSRDQKRM LYLFVDQIRKSDGTLQEHGIC EIHVAKYAEIFGLTSAEASKDIR QALKSFAGKEVVFYRPEEDAG DEKGYESFPWIK/RPSRGLYSV HINPYLIPFFIGLQNRFTQFRLS ETKEITNPYAMRLYESLCQYRK PDGSGIVSLKIDWIIERYQLPQS YQRMPPDFRRRLQGFCFRNH HQTGFSPAGANQRGPLAATLSG PGGEGQSAVARLTGEKKNHG AQYANRLSPRVGRFINAAGTTG FPTWKAGSERNAINDDVTYAIK PTCWPLDIIIPSCALHRIETEL MGKFDEGKLPTDPLMLRLAIE TVAHYDVVIDSAPNLGIGTIN VVCAADVLI VTPAELFDY TSA LQFFDMLRDLLKNVDLKGNSN GSQSPWMEEQIRDAWGSMVLK NVVRETDEVGKGQIRMRTVFE QAIDQRSSTGAWRNALSIWEPE CNEISIGVSLDQDGGNSVLRK
5206	35574	A	5247	1	1383	
5207	35575	A	5248	1	1731	
5208	35576	B	5249	1	1290	
5209	35577	B	5250	1	3345	
5210	35578	A	5251	1	1959	
5211	35579	A	5252	3	2356	
5212	35580	B	5253	334	1710	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, /possible nucleotide insertion)
5213	35581	A	5254	1	1302	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQVRVGYTIEQI NHMRDVFGRRLRRAEDVFPVPV NVSKSDDTLKINGVEDHKITFD GDGKTYQNVQQFIDEENYTS DNHTLRDPHYVEDKGHKYLVF EANTGTENGYYQGEESLFNKAY YGGGTNFFRKESQKLQQA RDAELANGALGIIELNNDYTLK KVMKPLITSNTCDNLKTCHTSH GSVMAETAVINHHKRNKNSPRIV QSNLDTEAAYSLSRDQKRM LFVDQIRKSDGTLQEHGICEIH VAKYAEIFGLTSAEASKDIRQA LKSFAGKEVVFYRPE/EDAGDE KGYESFPWFIKRAHSPSRRLYS VHINPYLIPLLYRVPNRVTQFRL SETK/EITHPYAMPPLYESLCQYS
5214	35582	B	5255	1	1452	
5215	35583	A	5256	1	1323	
5216	35584	A	5257	1	1557	
5217	35585	A	5258	1	2259	
5218	35586	A	5259	1	2418	
5219	35587	A	5260	1	1218	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQVRVGYTIEQI NHMRDVFGRRLRRAEDVFPVPV GVAAHKERNQNSISRYISNRLAR RECHDSPEEGTGNTSRKERLQG RLPSRGLTESQEHLLDTRKQFW FEDFKDGLGPIKCDNLKTCHT SHGSVMAETAVINHHKRNKNSP RIVQSNLDTEAAYSLSRDQKRM LYLFVDQIRKSDGTLQEHGICEIH VAKYAEIFGLTSAEASKDIR QALKSFAGKEVVFYRPEEDAG DEKGYESFPWFIKRAHSPSRGL YSVHINPYLIPFFIGLQNRFTQFR LSETKEITNPYAMRLYESLSAS NYQRMPPDFRRRLQV/CVMEIN KQTSMLRSYI
5220	35588	A	5261	1	2028	
5221	35589	B	5262	1	1653	
5222	35590	A	5263	1	1446	
5223	35591	A	5264	1	1788	
5224	35592	A	5265	22	1893	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5225	35593	A	5266	1	2144	MEKKITGYTTVDISQWHRKEHF EAFQSAVQCTYNQTVQLDITAF LKTVKKNKHKFPAPAFIHILARL MNAHPEFRMAMKDGFIENMFF VSANPWVSFTSFDLNVANMDN FFAPVFTMGKYTTQGDVLMPL LAIQFFDMLRDLLKNVDLKGFE PDVIRILLTKYSNSNGSQSPWME EQIRDAWGSMLKNVVRTEDE VGKDTGVRKISGVKIMPMGV AVVNCCTYGSDYRVWLASWM MSQWLHYPEWYRKENKHKFY PAFIHILARLMNAHPEFRMAMK DGELVIWDSVHPCYT VFHEQTE TFSSLWSEYHDDFRQLHIYSQ DVACYGENLAYFPKGFENMFF VSANPWVSFTSFDLNVANMDN FFAPVFTMGKYTTQGDVLMPL LAIQFFDMLRDLLKNVDLKGFE PDVIRILLTKYSNSNGSQSPWME EQIRDAWGSMLKNVVRTEDE VGKQIRMGTELEFFRLSETKEI TNPYAMRLYESLCQYRKPDGS GIVSLKIDWIIERYQLPQSYQRM PDRRRRLQCDNLKTCHTSHGS VMAETAVINHMKRKNSPRIVQ SNDLTEAAYSLSRDQKRMLYL FVDQIRKSDGTLQEHGDGICEIHV AKYAEIFGLTSAEASMDIQHAL KSFSGKEVVYRPEEDAGDEK/ GYESFPWFIKRAHSPSRGLYSV HINPYLIPFFIGLQNRFTQFLSE
5226	35594	A	5267	1	1167	MNMNIKKIVKQATVLTFTTALL AGGATQAFAKENNQKAYKET GVSHITRHDMLQIPKQQQNEKY QVPQFDQSTIKNIESAKGLDVW DSWPLQNAADGTVAEYNGYV VFALAGSPEDADDTIYMFYQK CDNLKTCHTSHGSMVMAETA V1NHKKRKNSPRIVQSNLDTEAAY SLSRDQKRMLYL FVDQIRKSDG TLQEHGDGICEIHVAKYAEIFGLT SAEASKDIRQALKSFAGKEVVF YRPEEDAGDEKGYESFPWFIKR AHSPSRGFYSVHINPYLIPFFIGL QNRFTQFRLSETKEITNPYAMR LYESLCQYRKPDGSGIVSLK/ID WIIKRSQLPQSAFYQFMGLRR ESFYFRWERTLGPLKSFVSKR GTEAGKFRLLAALLVRL
5227	35595	A	5268	1	1395	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5228	35596	A	5269	1	1375	MNMNIKKIVKQATVLTFTTALL AGGATQAFAKENNQKAYKETY GVSHITRHDMLQIPKQQNEKY QVPQFDQSTIKNIESAKGLDVW DSWPLQNAAGTVAEYNGYHV VFALAGSPKADDDTSIYMFYQ KIRRKNGPVSAFTSDGKIRLFY TDYSGKHYGKQSLTTAQCDNL KTCHTSHGVSMAETAVINHKK RKNSPRIVQSNDLTEAAYSLR DQKRMLYLFVDQIRKSDGTLQ EHDGICEIHVAKYAEIFGLTSAE ASKDIRQALKSFAGKEVVFYRP EEDAGDEKGYESFPWFIKRAHS PSRGLYSVHINPYLIPFFIGLQNR FTQFRLSETKEITNPYAMRLYES LCQYRKPDPGSGIVSL/KIDW/II/ RYQLPKVPSPEARKITRRWRJ/V KQRI*LGFLRLSEMPRKQGDY RTRIWKFEGLSNVLVIQNLKLI ICVMCLVRDCDVLKTYFHR
5229	35597	B	5270	1	1668	
5230	35598	A	5271	1458	2675	CDNLKTCHTSHGVSMAETAVI NHKKRKNSPRIVQSNDLTEAAY SLSRDQKRMLYLFVDQIRKSDG TLQEHGICEIHVAKYAEIFGLT SAEASKDIRQALKSFAGKEVVF YRPEEDAGDEKGYESFPWFIKR AHSPSRGLYSVHINPYLIPFFIGL QNRFTQFRLSETKEITNPYAM/R IPLH*LFR*TLRQTKPDNSAGKC VKI**HTQNQRSGRSQND*RR GI
5231	35599	B	5272	1	1317	
5232	35600	A	5273	1	987	
5233	35601	A	5274	1	571	
5234	35602	A	5275	1	4161	
5235	35603	A	5276	1	1228	
5236	35604	A	5277	387	3466	
5237	35605	A	5278	1	6721	
5238	35606	A	5279	1	1651	
5239	35607	A	5280	5082	5879	
5240	35608	A	5281	1	231	NHLAVRRLTELSGGQRQRAFL AMVLAQNTPVLLDEPTTYLDI NHQVDLMRLMGLRTOGKTV VD*VRDLNQVSRYC
5241	35609	A	5282	1	303	CLRILCPYPYIPLTEKTLA*PAL YTELTAADMAETCKQFLPEFSL TFSFQGWKEKETEYAEVLERNF ERDRQLTYTAHGPBKADLRIQE SGVPYNEILVTL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5242	35610	A	5283	1	273	TNSSVGPGRLL*QTAAPHRGK LKVFFGACAGVGKTWAMLAE AQRRLAQGLDIVGVGVETHGR KDTAAMLEGLAVLPLKRQAYR GRHISEF
5243	35611	A	5284	66	1200	HILPAGHPTLRHSLFPHQQGRSS VQSALGAASGNGLKLVGRFEW GPSRRARSQYPDATGYDQPKPI SAAVKEFFGSSQLSQFMDQNNP LSEITHKRRLSALGPGGLTRERA GFEVRDVHPHYGRVCPITPE GPNIGLINSLSVYAQTNEYGFLE TPYRKVTDGVTDEIHYLSAIE EGNYVIAQANSNLDEEGHFVE DLVTCRSKGESSLFSRDQVDY MDYSTQQVVSVGASLIPFLEHD DANRALMGANMRQAVPTLR ADKPLVGTGMERAVAVDSGVS GGVVQYVDASRIGIKVTKTRCI RVKQVSTSTLPLFLESNPLF WMAVLVSAGILQWPGLRLAD KFGRLLVLRVQVFVVLGSIAM
5244	35612	B	5285	1	862	
5245	35613	A	5286	1	579	DPRD*RLKVAK*MVTLFGPQFV RELQQRGFDFLDLKFHDIPNTA AHAVAAAADLGVMVMNVHAS GGARMMTAAREALVPRPDAP LLIAVPV*RSIKASDLVDLGMTL SPADYAERLAALTQKCGLDGV VCSAQEA VRFKQVFGQEFKLV TPGIRPQGSAGDQRRIMTPEQ ALSAGVEYMEGRPGTQSVK
5246	35614	A	5287	484	978	GIVRIHPRLADIKCWRAVLVNY THYSYQANLCCANLE*ADLSGS VLDCANLQGVKMLCSNAEGAS LKL CNFEDPSGLKANLEGANLK GVDMEGSQMTGINLRVATLKN AKLKNCNLRGATLAGTDLENC DLSGCDLQEANLRGSNVKGAIF EEMLTPLHMSQSVR
5247	35615	A	5288	3	504	YRLSQSSSKSLVSRSLNMRFIS SVMFMFEPTSSSENRFSPSCSE MSSSEATLRSFFLGTTSPCRSM VGLQLVKSSQSSSVSSSSHVRL SQSSSKSKVSRLAGT*EGSEKRS FREEKVPCLRLGLPESTLYAHC SV*SRTHVFSGTSHHSKVAVG MSIVQMRKL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, =possible nucleotide insertion)
5248	35616	A	5289	2	442	HVIWHMPRKTSKCRQLLCSGA SRNADTAARQSTCSSHRPPGKIP SLGPRRPVPGCSSVPSSRGEQSTG SPAAPRCQDVTHTTEASQEEQP* LRGTHGPASTPEQGTAKAKVR DRRAVVHPGKTGIPSAAG*KGR GRPEPPGAAVQVE
5249	35617	A	5290	151	1185	YVDQVTHITESPLPSVSYSAFAG SLISAVDPVATIAIFNALHVEED TEKGHVRLTPASPSTFFFFSTE EKYAPGSCCRKA AVL*LLHISH QLSLDSPSLTVVIYVLKHIDLRK TPSCRHCEI*VGDHTAVLSVLFS PSLGIMAILFSGIVMSHYTPREA SP*SCCLFTVSSHVTVCCHPGLRG AIPYALSLHLDLEPMEKRQLIGT TTIVIVLFTILLGGSTMLIRLM GLPGGAPRWQQLVAVGPPFLP AQGNTVESEHSELTEEEYEAH YIRRQDQLSLFN*N*SCLWSPSPC LPPPP*TPHTKHPVASPPFHGPA PDALTAWLCLSTQDLHHGRIQ MKTLT
5250	35618	A	5291	5	198	VCGRQQSLEAGL*GAATPFAVF PRPWSAVRVKEYGYTRLHLIN GTHIHQQVSDDQAFACHP
5251	35619	A	5292	137	308	HLERTGPNLPPGARLATRPTTR LPAASPRGRDTPLPIPISEYSE AKGEAPYIEPE
5252	35620	A	5293	612	1078	RPPEKKERGRVRGRRRGGGGK RRRRKRRKRRKSGKREDAAAA AAAAQSPRTAPAPD*ERRPQP APSARAPPRLLPAPRRSRPAQV PPDSASPWAAAAGLALPPQCP GGGARPLRLLPQPPAPGGTAR WEPRRPRPAAAAGLLQSPGFLP RQS
5253	35621	A	5294	515	817	LALPHLPSNLLKGLKWLKA*S RPSRTPSFG*LSQWKHALKRLK PVITCLLQHGLKPINSPYNSLIL PVLKPKPKYKLVQDLRLINQIV LPIHPMVSAQA
5254	35622	A	5295	1	951	
5255	35623	A	5296	1	1077	
5256	35624	B	5297	87	1423	
5257	35625	A	5298	29	234	
5258	35626	B	5299	77	327	
5259	35627	B	5300	1	235	
5260	35628	A	5301	2	2144	
5261	35629	A	5302	1	855	
5262	35630	A	5303	845	1057	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5263	35631	A	5304	1	933	
5264	35632	A	5305	1	954	
5265	35633	A	5306	1	1603	MEAEKFHQMPVSRRTRKASG VIQSKSENLRTRGANSALKRL KPVITRLLQHGLLKPINSPYNSPI LPVLKPKPKPYKRFLAFYGWSPR SLIVDSCSKLEQHSTLSRVILVIY KGFCFRNHHQTGFSPAGANQ RGPLAATLSGPGGEGQSAVACL TGEKKNHGAQYANRLSPRVG RFINAAGTTGFTGTGKRAVSATQ LMDFAFGTITITQDFRLLGQTS VDRLQLSQGQAVKGNQLLPV SLVKRKTTLPNTQTASPRALA DSLMLQARQVSRLESGSSQLS SLRLTLPDLRSLPDHGHRRAS GNSHSGSPKPPCLPLISPHLNP QVWDISTPSLATDHMPITILKS NVTLPNLKCCQYPIQHAKRL KPVITRVLQHGVLKPTNSPYNS PILPVLKPKPKPYKLVDRLINIH IVLLPIHPMVPNPYTLSSIPSTI HYSVLDLKHAFITPIPHSSQPL LAFTWTDPDHQAQQITWAVL PQRFPRTGPHYFNQAQISSSV TYLGIIILIKTYVLSLPIVSD
5266	35634	B	5307	1	874	
5267	35635	A	5308	144	539	
5268	35636	A	5309	1165	1639	PHPAVASRRGRAGPGGLSAPER TPSSELSPLSKGDLRKTHRTFSP Q*GDLRKTHRTFSTR*GDLRK HRTFCTR*GDLRKTHRTFSTR* GDLRKTHRTFSTR*GDLRKTHR TFSTR*GDLRKTHRTFSTR*GDL RKTHRTFCTR*GDLQKTHRTFS TR*GDLRKTHRTFSTR*GDLRK THRTFSTR*GDLRKTHRTFCTR* GDLRKTHRTFSTR*GDLRKTHR TFCTR*GDLRKTHRTFSTR*GD LRKTHRTFSTR*GDLRKTHRTF CTR*GDLQKTHRTFSTR
5269	35637	A	5310	235	453	SHWPWLCSSSTCSSQRSIVSSG MARGPFLRKRDLLFPFPPPGSH GLELLEIIFHQGISQVHLLHLQ VWL*NLNVDPSSSLPAENATGP GFVPPPLAPVRGPLFPVDAARGP FLRKRDLLFPFPPPGAMFGASR DYFPFGDFPGPPAPFASMAFL N

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5270	35638	A	5311	2	2333	TGRGYCGDHESFSGAMEEPGA TPQPYLGLLLEELRRVVAALPE GMRPDSNLVGFPPWELVICA VGFFAVLFFLWRSFRSVRSRLY VGREKKLALMLSGLIEEKSKLL EKFSLVQKEYEGYEVESLKD SFEKEATEAQSLAETCEKLNRS NSELEDEILCLEKELKEEKSKHS EQDELMADISKRIQSLEDESKSL KSQVAEAKMTFQIFQMNFERL KIAIKDALNENSQLQESQKQLL QEA EVWKEQVSELNKQKVTFE DSKVHAEQVLNDKESHIKTLTE RLKMKDWAAMLGEDITDDD NLELEMNSESENGAYLDNPPK GALKKLIHAAKLNASKTLEGE RNQIYIQLSEVDKTKEELTEHIK NLQTQQASLQSENFHFNENQ KLQKQLKVMTELYQENEMKL HRKLTVEENYRLEKEEKLSKV DEKISHATELETYRKRAKDLE EELERTIHSYQGQIISHEKKAHD NWLAA RNAERNLNDLRKENA HNRQKLTETELKFELLEKDPYA LDVPNTAFGRGSRGPGNPLDH QITNERGESSCDRLTDPHRAPS DTGSLSPWDQDRRMMPFPPG QSYPDALPPQRQDRFCNSGR LSGPAELRSFNMPSLDKMDGS MPSEMESSRNDTKDDLGNLNV PDSSFPAAKKEATGPGFVPPLA PVRGLFPVDARGPFLRRGPPFP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met lud	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5271	35639	A	5312	141	2788	GLRVLPSPSSPRSLRSGPLRLP GADSGSGPKAVCSPPFIVAPT RGYCGDHESFGAMEEPGATP QPYLGLLLEELRRVVAALPEG MRPDSNLYGFPWELVICA VVGFFAVLFFLWRSFRSVRSRLV YVGREKKLALMLSGLIEEKS KLLKFSLVQKEYEGYEVES SLKDASFEKEATEAQSLEAT CEKLNRSNSELEDEILCLE KELKEEKSKHSEQDELMAD ISKRIQSLDESKSLKSQV AEAKMTFQIFPMNEERLK IAIKDALNENSQLESQKQL LQEA EAEVWKEQVSELNKQKVT FEDSKVHA EQVLNDKESHIKTLTER LLKMKDWAAMLGEDITDD DNLELMNSESENGAYL DNPPKALKKLIHAAKLN ASLKTLEGERNQIYIQL SEVDKTEELTEHIKN LQTEQASLQSENTHFEN ENQKLQKKLVMTELYQ ENEMKLHRKLTVEENY RLEKEEKLKSVDEK ISHATELETYRKRAKD LEELERTIHSYQGQIIS HEKKAHDNWLAAARNA ERNLNDLRKENAHN RQKLTETELKFELLEK DPYALDV PNTAFGREHSPYGPS PLGWSS ETRAFLSPPTLLEGL PLTLSPLLGGGGRGSR GPGNPLDHQITNER GESSCDRLTDPHRA LSDTGFLSPWDQDRR MMFPPPGQSYPD SALPQRQDRFCNS GRLSGPAE
5272	35640	A	5313	217	447	FORMSGI*GYSPPLGGQ PAL*ECQGAADSAGG IRGLDSERSLGR VPAASGPNTALGWQA QPWS*QAGPELPRAE FLQA
5273	35641	A	5314	3	287	TLRNRHRELRTCLSG PGLGLPTQVSVVAGG CCVCPSSSQSPVPR PPALSAAPWHS HRAGCPPSGGL* PQRPLILWNQPL SNTLLEKELAPPAH
5274	35642	A	5315	3	468	ALARSPAG*PQSPD GDLCFRHRKGERRPA APAGQCPAGRQRHY PAAGRDGKPGRA PGADR*AGPI LHLHYLPA PCGGGTPGDSNPRR APAQRSE*CTPP PPQ*RNNRKPS TRAGLLPS*H VQLSGGLTLC PGDGRVS*W PQGVLAAPGPG PCTHL
5275	35643	B	5316	64	288	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5276	35644	A	5317	73	265	NGRTSRCSFGPKH*EYCSGTFH PLQVVVGKIYSNLDKIL*ASRAR WGLCSRKPGYWSCTQPTSS
5277	35645	A	5318	125	461	
5278	35646	A	5319	298	593	LGVEVEPVTGGDAVIGASHDAF LQVNIESIVPEHSTRCKLLGKFI RIWIKYFRHLVHGGGSAPVSLV TGPVHGDSLLGFPVAPEPPRVVE PARQVRAHAVVVAGPLRRGRG LGRHRLRARG*GMPQSVRGA CGAQGHGPAGEDQRLPRERG PAGQVQPGVVPGLQDPEGCL RVQDQ*PGLREQSPHRADA*S ILSKFE*IFPTTCSGWNVPEQYS QCLPGEKHRDWPR*LHHLI*PA QI.PPPVTTSTGHPSAIEGLETP RSPLTPGPPGKSIIHPHPQSPDCD GTDCAAFPENIIRLSRKICKRG
5279	35647	A	5320	1124	1835	HSLHFPKFPFSLFLTLITLGLLM AVPPGLITTHQQRQAML*YKPL ARLLEPLISFSPWSILKEITSQC SICYSTTPQRLFRPPFPETHQTR GFAPPR/HWQIDITHMPQVRKL KYLVLVDVTGSKKATVVISLL SDIIPRFGLPTSIQSDNGPAFISQI TQAISLALGIQRTHGLLKTHLT NLSHQLKKDWTLLPLSLRLQ ACPRNATGLHSDG/VGPKLLPG SPFQLHHTWDSP
5280	35648	A	5321	1	1758	
5281	35649	A	5322	1	1967	
5282	35650	A	5323	76	1908	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5283	35651	A	5324	524	2144	QSDLSASQHGFLPLATEVRSRG AASCPDSDSICPAPIAPGRATP PQANCWASEGTLRYQALPGNR APVSQVSQAGGANLCVQPKK HLTNFKSGKRPLFTLFSNLQGP RSRPVAFLSKQLDLTVLGWPC LRAAAAAALIVLEALKITNYAQ LTLYSSHNFNLFSSSHLTILF CSPGFSCTHSLLSLPQLPIVPGP DFSPASHIILDTTPDHDCISLIH LTFTPFPHISFPAPHPDHA*FIN GSSTRPNRHTPAKAGYAIVQVT SPPLKTSHFSLSIVEIYPQGNFS VFHLLFYSSGIIQAPLLSLHIKL RDLPPRPTGKSALLNMPVRKRL KYLVLVDTGSKKATVVISSLL SDIIPRFLPTSQSDNGPAFISQI TQAISLALGIQRTGLLKTHLT NLSQLKKDWTILLPLSLRIQ ACPRNATGLHSDGEARSSFAQH HFNFIHTGTVPDVFVPIQLLNE DFEDPCLGYLPSPEISICLEPTS W SKDRSCSSGEGSAGQTVTGD L HKAQTPELDQPASLNCPLD
5284	35652	A	5325	1	420	RTRGGEKE*EEKQRSRR*RIK*E EEEE*RRSRGAGDKG*NERRR NRGEPVEKEEDRRRRKQWRR GEEKRRRRGRNCGGGGEEKE DGRRRRLPCFLLPSLLVSLW LVSFPCVFGFGAPAVVFARF RGLRAFCRF
5285	35653	A	5326	2	467	
5286	35654	A	5327	269	777	
5287	35655	A	5328	2443	2627	VGFFFFFWGGERGTGSYSVTQ ARVQ*YDLGSLQLPPSFKGFS CLSLPGSWYYRHGPPRLG
5288	35656	A	5329	57	394	
5289	35657	A	5330	33	311	HNTLPKTKPWQEPGDEEPQOE EPPTESRDPAPRLPRSP* SADPP WRSQRPQGLTRPPPEPLRPHGS PPAHLSLFCQRSCPGPQERPHPS TM
5290	35658	A	5331	226	406	
5291	35659	B	5332	51	90	
5292	35660	A	5333	1	348	PPSQRV*GWHEMRQGGRRQHAQ PVLSSQGLTAGCHHHQCRRP LACDVRPVVYVEKVS RDHGLVS GQHN/PAPESQGGSTSPRHTGR KQARAGGEKKVTS DPANTAQH NPNTGSRGRP
5293	35661	A	5334	109	380	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, /possible nucleotide insertion)
5294	35662	A	5335	448	724	WPSRSALAAAGGRTAPTSPRSRAG PPAR*RGAGRESARGTS*GIRPRS QPARRPCPPAPVGRGLPPGPAP PPPRAAPREPPRCRAAAHTSRP AGS
5295	35663	B	5336	1	1554	
5296	35664	B	5337	99	366	
5297	35665	A	5338	1	714	
5298	35666	C	5339	391	689	
5299	35667	A	5340	2	614	
5300	35668	A	5341	2	461	
5301	35669	B	5342	45	1148	
5302	35670	A	5343	215	849	IKRLPLMKRMWL*LQPESLEIA GILVQ*MIE*QPKKGTNSIPVSK PSP/VVQKPNGQWRQVQDLRLI SDAVIPLYPVSNPYTLLSQILE EAEWFTVLDLKDFAFCPLRSD SQFLLAFEDPTDHTSQLTWTVF TQGFMDTPHLFGQSLAQDLGH FSSPGTLVLQYVDDLLAKQQA TLDLLNFLANQGYKLSKLKAQ LCELLVFSSCARMHS
5303	35671	A	5344	1	1035	MGQVWALVRSTLELFTDDEE EGEYDEVTEEVTEQVYLPAKA KVAQEEVHPYPSAPPHYFYEE KEWPDPPDLSFLEDTRKVVAP VTEQHLERLLSVLFRQEFSLRD ERDDAVEQLRGVCIRAWKIT GGEQYPSFSAVKQGPKEYADF IAWNLLRQESLKKVISDSAAQD IVLQLLAFGNVNLDCQAALRPI RGKAHLVDYIKACDGIGAKQD SERFAFTIPVNNLQPAKHFIY FTDGSSNGKASYSKGQGNQ PIWILSRHLKPYHEPDAKEEIPG G/CPRTPLWQPCRD*C*GGP*/P VTSNTR*TPPTWGQIKLSQM VEENLRKAGQLVTMTVYWN
5304	35672	A	5345	1566	1767	KGGSWSQRHSQACGYTCRKS GHWAKECPQPGIPKPRPCVGP H*KSDCSTHLAANPRAPGTLAG SGL
5305	35673	B	5346	1	3429	
5306	35674	A	5347	1	1776	
5307	35675	A	5348	1	933	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5308	35676	A	5349	1	1743	MGKVVAVVRSTLELFHTDDEE EGEYNEVTEITEQVYLPAKAK AVKEREQRGNITATFEPPFKLL KEFKQAINQYGPESHFVGMGLL KNVAVSSQMIPTDWDALTOAC LTPAQFLQFKTWWAHEASIQ ACNAQAQPNITITGQLLVGG WAGLDAQVVMQDDAIEQLRG VCIRAWEKIPLCGEQYASFSAIK QGPKEPYVDFAWLQESLKKVI ADSAAQDIVLQLSAFDNANPDC QAAL*PIRGNAHLVDYIKACDG IRGNMHKATLLVQAMAGLRVD KGNPLLPAGACFNCGKHGHTKQ ERRKKSVSQAARWGKRKTADP EICPKCKKGKYWANQCHSKFD KDGTLSIGNAMRAEQDCEWFT FTIPAVNNLQPAKHFRHRTDVS SNGKASYSGSKGGQARVQLFE NASVRATNSDLPQSSLWCRRTT SVSVAVLVSATIPISRVQGPSQV LGQGEKQTNQNVVPNPYTLIS QIPEEAKWFTALDKDAFFCIPL HSDSQFLFAFEDLTDHTSQTW TILPQGFDRDSPHLFGQALAQDL GHFSSPGTLVLQYVDDLLATS SEASCQQATLDLFSFLAN
5309	35677	A	5350	1	1085	
5310	35678	A	5351	1	3105	
5311	35679	A	5352	1	5172	
5312	35680	A	5353	41	324	
5313	35681	A	5354	18	270	KLSQVCIDLL*IREGERDMYPG WAKFPSPYSLKGT*PIAQVLW SFGDFFYC/IPSTLPTPKSWRLF SPFPESLTPVSLVWWPC
5314	35682	A	5355	80	384	SNRTEGAWGKQCLMSS/PLTE PQVTLTIDSQEIFLLDTGAASF VLISCPQLSSRSVTI*GILGQPV TRYFSHLLSCNWETLLFSHAF LVMPESTPLLGR
5315	35683	C	5356	99	317	
5316	35684	A	5357	388	476	KVCPRPCRTSM/LPIRII*KLPQV CLDLL*IEGEGDMYPG*AKFPS PYCLKGT*PGTIAGSWARGVSA AASPSYSSPSY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US/N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5317	35685	A	5358	254	849	LQPESLEIAGILVQ*MIE*QPKKGTNSIPVSKPS/GVQKPNGQWRQVQDLRLISDAVIPLYPVAVSNPYTLLSQILEEAEWFTVLDLKDAAFFCIPLRSDSQFLAFEDPTDHTSQLTWTWFTQGFMDTPHLLFGQSLAQDLGHFSSPGTLVLQYVDDLLAKQQAATLDLLNFLANQGYKLSKLKAQLCELLVFSSCARMH
5318	35686	A	5359	1	909	
5319	35687	A	5360	153	436	CFCCCVEGKNPRNLQRTTKTPRLSVMSPSSCRGRGIWPNPGTC/RPSPSLI*SRSRQTWRITTPCQQGNKTGQRMNLN*QEQAEGG*QTPLS
5320	35688	A	5361	1	1632	
5321	35689	C	5362	1	675	
5322	35690	A	5363	604	1047	SNNRTDNPTSVAYLSKETDVVAKGWPHCLWVVVAAILVLEAIKIIQKGKDFVTWVSHDVNGILGAKGNSWLSDKRLRYQALLLEGPVLQIHCTCVALNPAIFLPEDGEPKHHDYQQIVAAQTVVT*EDLLEVPLANPDNLNLTNGSSFV
5323	35691	A	5364	749	1002	QLKKGTSNLLVSKPSVWIPGTGLTQIMGTGVANIC*PVF*KD*GELGKMNYAMMSTITQKKEENPAFLKWLWEALRKYTPLSP
5324	35692	B	5365	114	2309	
5325	35693	A	5366	413	1157	
5326	35694	A	5367	105	478	YGHCCYDHRICFFPATEQKVCPCAAQ*PL*LRGDDPEMSVYI*QLPLYSSDLLSAANEVQILAFQGDVSPFPVATTDTLSTVTNFPFNQGVNDFDFDKQFLHSSRDFCFGRVFSNFE
5327	35695	A	5368	531	1087	RLQPPGAPVEDITRPVSAKPRDADRNSTGCYLV*LQHQRQTESGRQLSGL*GPGCNGVH/ASLYRTSAMFAERFGSYRRSTTAGIPSLRLKSTIRSDRSRRKAQRKRCGQVMPQHRRSIRPLLPITPPLNRNLHRSRPHRSRNRWSRLNRRLKHHLLRRSQNRSSRWKKKLHRRVKPMCLNWR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5328	35696	A	5369	544	1381	VNPALQVLVVAITPPSPSPSCI RVLTRVSNIAIAKPLCLAVCAV VEGGRIRALVAVAAWAGAVTG GPAGLIACGPVSPSVIRGQFRHA GISFFLYAIGGEMVPAVRRQNH TPA*HKRFKAFQLAHNAV AEHFAGGDRHLFSLNQCQCVV KHHVRRDITFIGYRFTQFA
5329	35697	A	5370	81	863	AYGNPVEIAGGARQAGVNF VFRPRFSRRWRISGETCKLWW RRWRSAAWASINQTFASWSTLIF RAISNPIIRKPDAPGVMACPRKR CCFTIRLIWRGCAVWKRSE GQLQDIERHKLNAMGAFAEAQ TCRRLVLLNYF/GRRASGAVRE LRYLPRSAETVRRFNRCSDCPF HHWSCSAVWDGLCGGSDSCC GVSRARLFASPVNLPITGEIPER GFHPFCGRRTTENGKNHPRNLFI WRSNCSVLVVKVMSLCSSTPCP
5330	35698	B	5371	12	273	
5331	35699	A	5373	145	336	SEEEEEEEEEEEEEEEEEEE E*EEGESAIICAKVCISVFP NELNMAITPNTIPKLNHW
5332	35700	A	5374	294	657	VAPGDRHAFHGGGSGLSPELTL PQTQCCAQATVQGLEGTRWS QSGTSSLSPSWHTSLACPQKEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEAKTQ*KSG QK1*TDSPQKK
5333	35701	A	5375	2	588	SRPGITGSTISYGDPGHGAGPPG ADLGPASRLKPERAAGAQALAA GEARQSGDPLPGPGHSLGTA PC*VDKGWGHVPSTVHHQRQP QPGGLRAPGTALLAGTQPSHPA AGWPWPQQRGVRVLGGRRDS *VGGG*GQHNKALWGPR*PHT EQKPRKLSRIPLRAAGGEKRG CGCDRAGCLVLGPPQLPAQGL
5334	35702	A	5376	1	445	SLSHRAGGGGVGGGAVCLFS PPRTKRESAPESPSRLVGHSPVP S*GAPSTRGSVSRILTSGGTHER SNGLTCHRNQAGTGPSALRSGR P*CLSRANPPGSKRSAGPVHEE RT*PCRLSGSAGITQ*DGN*KAG PRVPEAPERGCATC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5335	35703	A	5377	3	313	QNDEVAFRKLKLIHEDVQGKSY LTFNHGMNLTNDKMCMSVKK WQTVIEAHVDVKTNGYLLCL FCVGFTKKCNQIWKTSLF*QQ SNMEDFFVLTTGIIHSHLEPFLV VTDDQ
5336	35704	A	5378	45	764	TSFLTGGGKGS/KKKVVDPFS KKD/WL*YVKHRAMFNIRNIGK DVGSPRTQGTKIAS/DGLKG/RV FEVSLADLQNDEVAFRKFKLIIT VEDVQGK\NCLTNFHGMMDLTP* QKCCSMVKKM/WQTM*SSPL MVKT\TDGLLASVSCVGFTKK VRNNQIRKTSYAQQVQRQIRK KMMEIMTREVQTNDLKEVYNK LIPDSIGKDIEACQSIYPLHDVF VRKVMLKKPKFELGKLMELH GEGS
5337	35705	A	5379	3	501	SSARFVSSSSGGYGGGYGGVL TASDGLLAGNEKLTMQNLNDR LASYLKVRALAAKILSDMRS QYEVMAEQNRKDAEAWFTSRT EELNREVAGHTEQLQMSRSEV TDLRRTLQGLEIELQSLSMKA ALEDTLAET/EGDVRADSERQN QEYORLMDIKSRLEQE
5338	35706	A	5380	1	716	AQLKVKFWYWPEAGAGGLRR FKHY\YTPFKDCRDKILGATIKN SRIVLQIDNAGLAADDFTKFE TEQALRMSV*ADITGLRRVLDE LTLARTDLEMQIEGLKEELAYL KKNHEEEISTLRQVGGQVSVE VDSAPGTDLAKILSDMRSQYEV MAEQNRKDAEAWFTSRTTELT REVAGHTEQLQMSRSEVTDLR RTLQGLEIELQSLSRLWGFCC PLEGVFWVEGWEGRDPYPRLF
5339	35707	A	5381	3	832	
5340	35708	B	5382	141	1067	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \-possible nucleotide insertion)
5341	35709	A	5383	3	1316	GVAPSVLRAMTSYSYRQSSAT SSFGLGGGSVRFPGVAFRAP SIHGGSGGRGVSVSSARFVSSSS SGAYGGGYGGVLTASDGLI.AG NEKLTMQNLNDRLASVLDKVR ALEAANGELEVKIRDWYQKQG PGPSRDYSHYYTTIQELRDKIL GATIENSRIVLQIDNARLAADDF RTKFETEALRMSVEADINGFR RVLE*S*TLAQEPNLEDARIEG LKEELAYLKKNHHEEISTLKG KCEAQVSVVEVD/SA/PGTRSSPK ILSDMRVQYEVMAEQ/NRKDVA EA/WFTSR/TERIETREVA WPHR SSFQMSQAPRLLDLAAATPQGS *DLSCQSQLEPLKAALGKTPLA ENRKA/RFGNPQLAPYPQALDS AVI*KPQLG/DIVAKLDSSTGRI QEYQ/RLMDIKFARLEQEIHP NRSLA/LEGQEDHYNNLFAASK
5342	35710	A	5384	23	279	GCLRGSLERCGLTKISLHEISG PESRVQQLSSREEEEEEEEEEE EEEEEEEEEEEEEEEEEEEEERKK ECSKAQCKHFPLSEVL
5343	35711	A	5385	1	507	MEKNEKEEEEEKKEKSKKK EEEEEEEGGEEEEEGEGGEE EEEEEEEEEEEEEEEEEEEE EEEE/EEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEKKKKK KKKKKKKKKKKKKKKKKKKK RKKKKKEEEEKVVEEDEFIWF LGNSLYFSPSFHFAWSQIPSRD EGERRLRVNSMIMDFTSNTNH
5344	35712	A	5386	3	259	
5345	35713	A	5387	53	387	LEEEKEEEKEEEKEEEEEE KE/DEEGEEGGEGEGEGEGE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEMIVLKIIVAKQLF
5346	35714	B	5388	1	1446	
5347	35715	A	5389	3	122	
5348	35716	A	5390	239	432	CLWLFQEEEEEEEEEEED*EEE EEE/EEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEEKI FLGHRVGI
5349	35717	B	5391	1	1269	
5350	35718	B	5392	44	244	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5351	35719	A	5393	1	626	EEGEVEEEEEEEEEEEGEGEE EEEEEGEGEGEGEGEGEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEQEEEEEEEEEE EEFFAAAAAASRDSHTSL TYWPPCPALRDTLVSNCSL CTSGDSFW*ETTIPAMSSCSH QHSLLHQLGIIPRQLMRMASLM RRICEDHPATAEQ**HV*GPPD
5352	35720	A	5394	2	506	
5353	35721	A	5395	1	480	
5354	35722	A	5396	1	492	
5355	35723	A	5397	1	870	
5356	35724	A	5398	111	407	
5357	35725	A	5399	1	651	
5358	35726	B	5400	1	2427	
5359	35727	A	5401	571	966	SPFTNSRLTIFISFSECGQIAEIYI LSQPFMVRIMATEPPINLQPGN FTL DIVSRDHTAL*PGRQEQNS VSKKKEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEKKKK
5360	35728	A	5402	1	1674	
5361	35729	A	5403	1	306	
5362	35730	A	5404	2	431	
5363	35731	A	5405	1	585	
5364	35732	A	5406	1	708	
5365	35733	A	5407	3	595	
5366	35734	A	5408	287	659	
5367	35735	A	5409	1	633	
5368	35736	A	5411	3	634	
5369	35737	A	5412	344	481	
5370	35738	A	5413	1	525	
5371	35739	A	5414	1	501	
5372	35740	A	5415	1	461	
5373	35741	A	5416	302	567	MLCCLEISSTRYPKSLSSSKFH KSLGQGGQNAASLFAKT**RESPL LQFPASSSSPSETTSAWTLFISL SAFLTAKAFNKSLGGSKLSH
5374	35742	A	5417	251	844	NLGRGQSITLDFCAPAGLIPCG SCQGLGLPHSEATARAVYWPL SAMAGVAGTQGTSLDSSLFA KT*QESPLLRFPTSSSSPSETTSA FILLFISLSEFLSKPFNKSLGGSK LSHIFVSSSEPSKLSQPLHMPQ ARISSFTSGHTDDSTVLFSVLLK LPLPVPSQAFSLKPGSIVMLLS WSDNFNIPSISDSDA
5375	35743	A	5418	1	1113	
5376	35744	A	5421	1	337	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5377	35745	A	5422	2	680	
5378	35746	A	5423	144	373	
5379	35747	A	5424	1	597	
5380	35748	A	5425	3	3319	
5381	35749	A	5426	1	612	
5382	35750	C	5427	46	168	
5383	35751	A	5428	1	663	
5384	35752	A	5429	10	417	IAIMNDTVAIRTRKFMNRLLE RKQMVIDVLHPGKATVPKTEIL EKLAQMYKTTPDVIFFVGFRTTH CGGGKTTGFGMIYDSLDAEK NEPKHRLARHGLYEKKKTS*K QRQERTNRMKKVRGTAKANV VAG*KPNE
5385	35753	A	5430	67	263	GKTTGFGMIYDCLDYAKKNE PKHRRARHGLYEKKKTSRKQR KERKNRMKKVRGTAKANVGA GKK
5386	35754	A	5431	2	537	TPGSTTTTKFPTASTSEDRSPIM NDVTVTIPH*EKFMQTQPTYFRGN QMVIDVLSPPGKGDDQCPKHRK FGKKLAQNVPRPTPD/VIFVFWI QNFIFFGGKTTGFGMIYGFPGI YAKEKMNPDRHRLCKDMGLVL RKEKGPSRKANGKGTARNRIG RKVPGGTGKGPNVGCWAKRR NEVSSS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5387	35755	A	5432	1	2195	ARGLSMGH*FP/PHFQCALA*M PAPGRGPPPLP/CPDAPPACA ATMERPEAGLRVAPRSPVQPGC TSVLPAKRFNARILWLKRPQR QLWSLWRAQATVSLGGFHV LSLQVHRINARVKEAWQLPPRF QMMYQKAWVLRQKPAAAVEP SQRNSPRAMLGNGVLEPPPRV STRALPSGAVGRGLPPSRPKND TATGSLHPELGKAAIDQFHPVR AATGASPCCKSIGTELPKALGAH VLLQCALDVGHGVEGELWSFK TRQPSDFSIFSPFPFYSTKPPLS SWPIPNEPLGTPPRRGRGGAEG LLTSQCSHILNGLCTGGINSNE CENVSRKKKMSEEFANTMDS LVDMPFATVDIQDDCGIFDVW KLVRVNCQEILANRHPGRAMRK VVLTKTSWEGESLAVGKLPLK RLVSLDCQLRCLQCECGILIRQ HVVWLERTTGHWHPRSSQSCR LNTTSTALEHCNAFIYNTVCSH KLKDHSHDNGKSSGLNPVAA PHSCIVMGHILTLITTSYTPLT KPDTPDLTKKEGLISQDSSLEV LLHTDPLGKRGTPDPRVDDDSL GKFPVTNSQARKRILEPDDFLD DLDEYCEDAPKHRGKCGSA HKELDASNLEDQDKPYACDIC GKRYKNRPGLSVHYAHSHLAE EGEDKEDSQPTPVSQRSEEQK SKKGDPGFALPNNYCNFCLGNS
5388	35756	A	5433	1	580	FSPLIHILSGHSTCFREHRVGG KVTDQQDPKAEFFLVQNKMK SLPCLLLSTQTRQPSDFSIFSPF PPFYSTKPPLSSWPVLNELLGTP PRRGGGREG/PHFPVVG/PGPR GAPSPRRGGWPGGGLTPQPPS RTGRLARGADPPTSLPDGAA GRAGG*PHHLPPGRGGWPGRG APHFPVGVAGQRRLLFC
5389	35757	A	5434	405	685	KVSHVYFYPHRPRNHPSQFFPH PSRLSIPQNRHCHHGGS/RNEPL GTPPR/PGSWPGRGAPHFPETFN HGRRWKGSRHVFTWPEQERE WGSATHF
5390	35758	A	5435	1	654	
5391	35759	A	5436	1	426	
5392	35760	A	5437	1	548	
5393	35761	A	5438	1	459	
5394	35762	A	5439	1	346	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,440,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5395	35763	A	5440	1	1248	
5396	35764	A	5441	1	1257	
5397	35765	A	5442	1	1659	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDYRSLH AKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTEIITNYLSDHS AIKLELRKIKNLQNRSTTWKLN NLLNDYWIHDEMKAIEKMF ETNENKDTTYQNLWDAFKATA SKTNKEKEKNQIDTKNDKGD TTDPTEIQTIREYKHLANK LENLEEMDKFLDTYTLPRLNQ EVESLNRPTGAEIVAIHNSLPTK KSPGPDGFTAEFYQRYKEELHI NRAKDKNHMISIDAFAKAFDKI QQPFMLKTLNKLGDGTGFKIIR AIYDKPTANIILNGQKLEAFPLK TGTRQGCPLSPLFNIVLEVLR AIRQEKEIKGQLGKEEVKLSIF ADDMTVYLENPIVSAQNLLKI SNFSKVSQYKINQKSAFLYT NNRQTESQIMSELPFTIASKRIK YLGQLTRDVKDLFKENYKPLL KEIKEDTNKWKINPCSWVGRIN IMKMAILPKVIYRFNAIPKLP TFFTELEKTTLKFIWNQK/RARI AKAILSQKNEAGGITLP
5398	35766	A	5443	1007	1719	TEPKTKT*LSQ*MQKKPLTKF NNPSC*KLSIN/IVLEVLRARIR EKEIKGQLGKEEVKLSLFA MIVYLENPIVSAQNLLKLSNFS KVSQYKINQKSAFLYTNNR QTESQIMSELPFTIASKRIKYLG QLTRDVKHLFKENYKPLLKEIK EDTNKWKINPCSWVGRINIVK MAILPKVIYRFNAIPKLPMTFF TELEKTTLKFIWNQKACIAXSI LSQKNKAGGITLP
5399	35767	B	5444	1	1020	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5400	35768	A	5445	1	1576	MDKFLDTYTLPRLNQEEVESLN RPITGAEIVAIINSLPTKKSPGPD GFTAIFYQLISNFSKVSQYRIN VQES/QAFLYTINRQTESQIMSA LPLTIASKRIKYLGIQLTRDVKD LFKENYKPLLNEIKEDTNKWK NIPCSWVGRINIVKMAILP/KEL EETTLKF1WNQKRARIASLSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDRDQWNRTEP SEIMPHIYNYLIFDKPEKNKQW GKDSL FNKWCWENWLAICRKL KLDPLTPYTRINSRWIKDLHV RRKTIKLEENLGNTIQDIGMG KDFMSKTPKAMATKAKIDKW DLIKLSFCTAKETTIRVNRQPT KWEKIFATYSSDKGLISRIYNEL KQIYKKKTNNPIKKWAKDMNR HFSKEDIYA AKKHKMKCSSLA IREMQIKTTMRYHLTPVRMAII KKSNNR/CAPGTPERQNHSL WKG*SQEPGLAQWIPLPWSP AS*DPLA*NSCCQHSLKSTWD AQACARKLRTLIGYRNCQLE
5401	35769	A	5446	1	984	
5402	35770	A	5447	1	1563	
5403	35771	A	5448	1	1449	
5404	35772	B	5449	1	1605	
5405	35773	B	5450	1	1569	
5406	35774	A	5451	1	690	MSELPTIASKRIKYLGIQLTRD VKDLFKENYNPLLNEIKEDTNE WKNIPCSWVGRINIVKMAILPK ATVTKIAWYWYQNRDIDQWN RTERSEIMPHIYNYLIFKKPEKN KQWKGDSLFDKWCSENWLAIC RKLKLDPLTPYTKINSRWIKD LNVRPKTIKLEENLGITQDIGI GKDFMSKTPKAMATKAKIDK WDLIKLK/FCTAKETTIRVNRQS TKWEISSL
5407	35775	A	5452	1	1919	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5408	35776	A	5453	1	1416	MIILIDA EKAFDKIQPFMLKTL SKLGT DGT YLKIIRAIYDKPTAN IILNGQKLEAFPLKTGTTRQGCPL SPLL FNIGLEDLARAIRQEK GIQLGKEEVKLSLFADDMIVYL ENPIVSAQNLLKLISNFSKVS KIN VQKSQAFLYTNNRQTESQ MSEL PFTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILPR DIDQWNRTEPSEIMPHTYNYLI FDKPEKNKQWGKDSL FHKWC WENWLA VCRKLKLDPLTPYT KINSRWKDLNIRPKTIKLEEN LGITIQDIGVGKDFMSKAPKAM ATKAKIDK WDLIKLSFCTAKE TTIRVNRPQTWEKIFATYSSD KGLISGIYNELKQIYKKKTNNPI KKWAKDMNRHFSKEDIHAAK KHMKKCSSSLAIREMDIKTTMR YHLTPVRMAIIKKSGNNRCWR GCGEIGTL
5409	35777	B	5454	1	810	
5410	35778	B	5455	1	1277	
5411	35779	B	5456	130	1701	
5412	35780	A	5457	1	1395	
5413	35781	A	5458	3	1646	
5414	35782	A	5459	1	759	
5415	35783	A	5460	2821	5781	
5416	35784	B	5461	1	2025	
5417	35785	A	5462	1	3663	
5418	35786	B	5463	1	2265	
5419	35787	A	5464	1	2241	
5420	35788	A	5465	1	2478	
5421	35789	A	5466	1	2067	
5422	35790	A	5467	1	2988	
5423	35791	B	5468	1	2061	
5424	35792	A	5469	1	2141	
5425	35793	A	5470	1	400	
5426	35794	A	5471	2	2507	
5427	35795	A	5472	1	768	
5428	35796	A	5473	1	1527	
5429	35797	A	5474	1	1293	
5430	35798	A	5475	1	1038	
5431	35799	A	5476	1	1572	
5432	35800	A	5477	1	1290	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5433	35801	A	5478	1	524	MSELPFRIASKRIKYLGIQLTRD VKDLFKENYKPLLNEIKEDTNK WKNISCSWVGRINIVKMAILPK/ VKHR/FSACIQLGRSGTTGLE ALAM*PIWPQVEV*VKFPALPS GASSTKGGCVP*QIQVEERLLS WKL*QA*TSWYQRRSDSSL RERK*PKSIQRNVRLSYYP
5434	35802	A	5479	2	1547	
5435	35803	A	5480	1	2376	
5436	35804	A	5481	1	1824	
5437	35805	A	5482	1	1071	
5438	35806	B	5483	1	1839	
5439	35807	B	5484	1	1368	
5440	35808	A	5485	1	1884	
5441	35809	A	5486	1	1053	
5442	35810	B	5487	1	2532	
5443	35811	A	5488	1	2373	
5444	35812	A	5489	1	2361	
5445	35813	A	5490	1	2274	
5446	35814	A	5491	1	1686	MASPGAPTASPKIHSELLTATR EAQRHHPVPRGQDLVTSEFSL SFCFSAAFIFELLGSNSEGVTDL RLWLCQPAPRCGEWTYNPLEQ CCDDGVILDNLQTRLGSSSTCF WPCFQHCCLESLGSQNTVVRV KVPGMKPDCKSSPITRICAQAG VQISNFSKVSQYKINVQKSQAF LYTNNRQTESQIMSELPFTIASQ RIKYLGIQLTRDVKDLFKENYK PLLKEIKEDTNKWNIPCSWVG RINIVKMAILPKVIYRFNAIPIKL PMTFFTELEKTTLKFIWNQKRA LIAKSILSQKNKAGGITLPDFKL YYKATVTKTAWYQNRDID QWNRTEPSEITPHIYNLIFDKP EKNKQWKGDSLGNKWCWENW LAICRKLKLDPFLTPYTKINSRW IKDLNVRPKTIKLEENLGITIQ DIGMSKDFMSKTPKAMATKDK IDKWDLIKLSFCTAKETTIRV NRQPTKWEKIFATYSSDKGLIS RIYNELKQIYKKKTNNPIKKWA KDMNRHFSKEDIYAAKKHMK KCSLSLAIREMQIKTTNQNHM RYHLTPGHG
5447	35815	A	5492	1	1872	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5448	35816	A	5493	195	1494	PPGQHLQRRCLLRVSGFSENAK KGMLEVLARA\NRQEKKIKGIQS GKEEVKLSLFADDMIVYLENPI VSAQNLLKLISNFSKALGYKISV QKSQAFLYTNNRQTESQIMSEL PFTIASKRIKYLGIQLTRDVKDL FKENYKPLLNEIKEDTNKWKNI PCSWIGRINIVKMAILPKVIYGF NAIPKLPMTFFTELEKTTLKFI WNQKRARIAKSILSQDKAGGI TLPDFKLYYKATVTKTACNSN GSQSPWMEEQIRDAWGSMLVK NVVRETDEVGKGQIRMRTVFE QAIDQRSSTD\TSLSPAAPMVD SLIARVGVMAIGNAITLPVCGR DVKFTLEVLRGDSVEKTSRVW SGNERDQELLTEDALDDLIPSFL LTGQQTPAFGRRVSGVIEIADG SRRRKAAALTESDYRVLGGE DDEQMAALSRLGNDY
5449	35817	A	5494	1	1845	
5450	35818	A	5495	1	2109	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, ~-possible nucleotide insertion)
5451	35819	A	5496	1	2535	MKSGHPEKEQDNDVQETREIT IRGLLCTALMRHSTGAIAIYLG VLSGSASLLKLAGVPLRCCEGDKD AGHPLETQTALCERGRGARSLV GNTIMTSQPVPNETHIVLPSNVIN FSQAEKPEPTNQGDLSKKHLH AEIKVIGVNLQNVLERGWGKC QEMIVYVLGLDICRPFVSRVSEE GRMGQRGEEDANSLDFPPASLL CLICQEQGVNGESCSPVGMYYH REIVPVYEVLSVITGLQIQVFSG KEADSVIKRSIGWGPFFKPRTK DKNHMIISIDAEKAFDKIQQHF MLKTLTKSLGIDGTYLKIIRATYD KPTANILNGQKLEAFPLKTGTR QGCPLSPLFNIVLEVLAIRAIQ EKEIKGIQLGKEEVKLSLFADD MIVYLENPIVSDQNLKLSNFS KVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLNEIK EDTNKWKNIIPCSWVGRINIVK MAILPKVIYRFNAIPKLPMTFF TELEKTTLKFIWYQKRARITKSI LSQRNKAGDITLPDFKLYYKAT VNKTAWYWHQNRHIDQWNRT KPSEITLHIYNLYFFDNPDKNKK WGKDSLFFNKWCWENWLAICR KLKLDPLTPYTKINSRWIKDL NIRPKTIKLEENLGITIQDIGMG KYFMTKTPKAMATKAKIDKW DLIKLSFCTGKETTRVNRQPT
5452	35820	A	5497	3	2284	
5453	35821	A	5498	1	1245	
5454	35822	A	5499	1	1140	
5455	35823	A	5500	383	1185	
5456	35824	A	5501	1	3159	MLEVLAWAVRQEKIKGIQLG KEEVKLSLFADNMTVYLENPIV SAQNLKLSNFSKVSGYKVS GQKSQALLYTNNRQTESQIMSEL PFTIASKRIKYLGIHLTRDVKDL FKENYKPLLKEIKKDTNWKWNI PCSWVGRINIVKMAILPKDIIQE NFPNLARQANIQIEIRKTPORY SSRRATPRHIVRFTKVEMKEK MLRAAREKASHHTYSKIDPILG SKPLLKSKCRTEIITNYLSHSAI KLEFRIKNL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
5457	35825	A	5502	583	2515	MQKKPLTKFNPPSC*KLSIN*LI SNFSEVSGYKISVQKSQAFLYT NNR/QESQIMSELPFTIASKRIKY LGQLTRDVKDLFKENYKPLLK EIKEDTNKWNIPCSWVGRINI VKMAILPKAIYRFNAIPIKLPM FFTELEKTTLKFIWNQKRARIA KSILSQKNKAGGITLPDFKLYY KATVTKTAWYWYQNRDIDQW NRTEPSEITPHIYNLYIFDKPEK NKQWGKDSLFNKWCWENWLA ICRKLKLDPFPTYTKINSRWIK DLNVGPNITIKLEENLGITQDI GTGKDFMSKTPKAMATKAKID KRDLIKLSNFACTAKETTIRVNR QPTKWEKIFTTYSDDKGLISRIY NELKQIYKKKTNNPIKKWAKD MNRHFSKEHIYAACKHMKCS PSLAIREMQIKTTMRYHLTPVR MAIIKSENNSLLAAGGGNRRRT ANVVAHGAFANLLTLDKKTLEI LVHYDPDSERILMKKARVLLKQ KAKTAEATPPRKDALLFPPKE ETPKLFKTLGGTGKASLARLL KLKREQAQKKESEGGEIEE KENEDKQKENEDKQKENEDKG KENEDKDKGREPEEKPLDRPEC TASPIAVEEPHSVRRTVLPRT SRQSLISMAPSAGGEEVLTIE
5458	35826	A	5503	1	2463	
5459	35827	B	5504	1	1221	
5460	35828	A	5505	1	4494	
5461	35829	A	5506	1	2825	MARTSYGQHFFPTLISMNIDSG RQNGIPKLTSSYSLKPMNTLC YLVRKRDLEGVLKRLITWESSL DYPGGPSVITKVLIRQKEGQSQ RTRYDNGSRGWSDAIAVKRPQ AKECGWPLEAGKGKEWILRKE CIPANTLMLAQCPTLRVGGVS CSAWRMIONSDGERKKRNRIQL QAVRLSKVHIDTFRNFRFVHS RELSKGAEKSSSLKKGLEQVII WTKRCQCGESRCTKKVEERKV LHNTFISTSTTITLTG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
5462	35830	A	5508	1184	4791	TSMQKSSIKYVQTESSTSKSLSTMIKWASSLGCKAGSVYANQ*M*SSI*TEPKTKTI*LSQ*MQKPL/YKIQQPFMLKTLNKLAKQLLKLISNFSKVSQYKINVQKSQAFLYTNNRQTESQIMSELPFTIASKRKIKYLGQLTRDVKDLFKENYKPLLKEIKEDTNKWKNIPCSWVGRINIVKMAILPQVIYRFNAIPIKLPMFTFFTELEKTTFKFIWNQKRAIAKSILSQKNKAGGITLPDFKLYYKATVT
5463	35831	A	5509	516	2233	
5464	35832	B	5510	286	4131	
5465	35833	B	5511	1	4911	
5466	35834	A	5512	1080	3119	SSGLHPWDARLVQYTQINKCNPAYKQSQRQKPHDYLNCRKKAFDKIQQPFMLQTLNKLIGDGT YFKIIRAIYDKPTANIILNGQKLEAFPLKTGTRQGCPLSLLFNIVLEVLARAIHQEKEIKGQLGKEEVKLSLFADDMIVYLENPIISAQNLKLLISNFSKVSQYKINVQKSQTF LYNNNRQTESQIMSELPFTIALKRIKYLGIQLTRDVKDLFKENYKPLLKEIKEDTNKWKNIPCSWVG RINIVKMAILPKVIYRFNAIPIKL PMFTFFTELEKTTLKFIVNQKRA RIAKSILSQKNKAGGITLPDFKLYYKATVTKTAWYVYQNRDIDQWNRTEPSEIMPHIYNYLIFDKPEKNKQWGKDSL FNKWCWENWLAICRKLKLDPFTRYTKINSRWIKDLNVRPKTIKTEENLGITIQDIGVGKDFMSKTPKAMAAKAKIDKWDLIKLSFCTAKETTIRVNRQPTTWKIFATYSSDKGLISR IYNLEQQIYKKKTNNPIKKWAKDMNRHFSKEDIYAAKHKMKK\ CSSSLAIRVEMQIKTMTRYHLTPVRMAIHKSGNNRIRRHQPRSAMFFCCCPGEGSGLQWELLAAWTVLPYPYCPAA TVGRFLKQAQTADHSFLGHVVRVPSSRSWTDKEILSLVNNRQNEVVLQILGCGTHTISPTQHPATG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \-possible nucleotide insertion)
5467	35835	A	5513	2494	4549	LQTLQGYSNSKQHGTTGKTFA WYWYQNRDIDQWNRTEPSEIT PHIYNYLIFDKPDKNKKWGDSD LFNKWCWENWLVICIKLLDP FLTPVYTKINSRWIKDLNVRPKTI KTIEENLGNTIQDIGMGKDFMS ETLKARATKAKIDKWDLIKLS ECTAKETTIRVNRQPTKWEKIF AIYSSDKGLIPRIYKELKQIYKK KTNSPIKKWVKDMNRHFSKEDI YAAKKHMKCCSSLAIREMQI KTAMRYHLTPVRMAI
5468	35836	A	5514	1	5582	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQAADLIDYQTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTQIITNYLSDHS AIKLELRKLNLTQNHSTTWKLN NLLLN DYWVYNEMKAEIKMFF ETNENEDTTYQNLWDAFKAVC RGKFIALNAHKRKQERSKIDTL TSQKLEKEKQEQTHSKASRRQE ITKIRAEKKEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
5469	35837	A	5515	3371	5375	TDTSQKKTTFMQPKKHMKKCSP SLAIREMQIKTTMRYHLTPVRM AIHKSGNNRSWYFEKINKIDRL LARLIKKKREKNQIDAINKDKG DITTDPTIEIQTTR EYKHL YA NKLENLEEMDKFLDTYNLPRL KQEEVESLNRPGRSEIVAIINSL PTKKSPGPDGFTA EFYHRYKEE LVPLLLKLFQSIEKEVILPNSFYE ASIIIPKPRDRTAKKENFRPISL MNIDAKILNKILANRIQQHIKKL IHHDQVG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5470	35838	A	5516	314	2695	GSACRDPDPDPLRLVGGGAAA PPCSSVSPSAWRQSRPREYYEG GRGLHAPDRETALGLGIATSER MLGICRGRRKFLAASLSLLCIPA ITWIYLFSGSFEDGKPVSLSPLE SQAHSPTYASSQRERESLEVR MREVEEENRALRRQLSLAQGR APSHRRGNHSKTYSMEETGD SENLRAGIVAGNSSECGQPVV EKCRRNPLHFHLIADSLAEQILA TLFQTWMVPAVRVDFYNADEL KSEVSWIPNKHYSIGYGLMKLV LTKTLPANLERVIVLDTITFAT DIAELWAVFHKFKGQVVLGLV ENQSDWYLGNLWKNHRPWPA LGRGYNTGVILLLLDKLRKMK WEQMWRLLTAERELMGMMLSTS LADQDIFNAVIKQNPFLVYQLP CFWNVQLSDHTRSEQCYRDVS DLKVIHWNSPKKLRVKNKHVE FFRNLYLTFLEYDGNLLRREL GCPSEADVNSENLQKQLSELDE DDLCEYFRFRERFTVHRTHL YFL HYEYEPADSTDVTLVAQLSM DRLQMLEAICKHWEGPISLALY LSDAEAQQFLRYAQGSEVLMS RHNVGYHIVYKEGQFPVNNLL RNVAMKHISTPYMFLSDIDFLP MYGLYEYLRKSVIQLDLANTK KAMIVPAFETLRYRLSFPKSKA ELLSMLDMGTLFTFRYHVWTK GHAPTNFAKWRTATTPYRVEW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,409,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5471	35839	A	5517	3	2079	GKPVSLSPLESQAHSPTYTASS QRERESLEVRMREVEEENRALR RQLSLAQGRAPSHRRGNHST YSMEEGTGDSNLRAGIVAGNS SECGQQPVVVEKCRNPLHFHLI ADSIAEQILATLFTWMVPAVR VDFYNADELKSEVSWIPNKHYS GIYGLMKLVLTPLPANLERVI VLDTDITFATDIAELWAVFHKF KGQQVLGLVENQSDWYLGNL WKNHRPWPALGRGYNTGVILL LLDKLRKMKWEQMWRLTAER ELMGMLSTSLADQDIFNAVIKQ NPFLVYQLPCFWNVQLSDHTRS EQCYRDVSDLKVIHWNSPKKL RVKNKHVEFFRNLYLTFLFYD GNLLRRELFGCPSEADVNSNL QKQSELDEDDLCEFRERERT VHRTHLYFLHYEYEPADSTD VTLVAQLSMDRLQMLEAICKH WEGPISLALYLSDAEAQQLRY AQGSEVLMRHNVGYHIVYKE GQFYPPVNLRLNVAMKHISTPY MFLSDIDFLPMYGLYELRKSV IQLDLANTKKAMIVPAFETLRY RLSFPKSKAELLSMLDMGTLFT FRYHVWTKGHAPTNFAKWRT ATTPYRVEWEADFEPPYVVR DCPEYDRRFVGFVGNKVAHIM ELDVQYEFIVLPNAYMIHMPH APSFIDITKFRSNKQYRICLTKL EEFQDMSRRYGAALKYLTA
5472	35840	A	5518	403	2757	
5473	35841	B	5519	128	353	
5474	35842	A	5520	2	333	
5475	35843	B	5521	25	1359	
5476	35844	B	5522	1	1113	
5477	35845	A	5523	1	2526	
5478	35846	A	5524	3	555	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5479	35847	A	5525	1	1710	MSQGTTPWGPTPAGTTPSEVH RPFPPVPVPVPEPVSERSFPVRG VCGQAKSGLRRGAARLAPAAAY LFTTRQQTRELIHSACVSISVNTM HGLSVAINSRRCTYYRKYYVIDF SKSEIIGIPISKNIDLTVGTTVTQ LQNLNTVGIHSRGGRGQVAAL NCDRQGHLLWLFTRTVHWRM GNDRTFWGLLDTVSELMFIPGN PKHHCGPPVKVGAYGVTFGLV HWCAGACQDTPCKMKDKLLHL APPTTKKKAQYVVGLLGFWRPI YRVTQKAASFEGPEQDKALP QVQAAVQPALLFGPYDSADPM VLEASVADRDAVWSLWQAP/IS HKMGHAQQHSIIKWK*YICDW ARAGPKGTTAPMASWGVLYD QLTEEEKTRAFTDGSARYAG TTQKWTAALQPLSRTSLKGS GEGKSSQWAEQLQAVHLVVHFS WKDKWPDVRLYIDSWAVANG LAGWSGTWKKHDKWIGDKKEI WGRGMWMDLSEWPKPVKIFG SHVSAHQWVISAEDFNNQVD KMTCSVDITQPLSPATPVITQW AHKQSGHGGGRDGGYTWAQQH GLPLTKTGLAMATAECPI
5480	35848	A	5526	1	438	
5481	35849	A	5527	1	612	
5482	35850	A	5528	2	736	EKCAMTALSSKLISQQKAFFAK MVVDVAVMMLDDLQKLMIGI KKVQGGALEDSQLVAGVAFKK TFSYAGFEMQPKKYHNPKIALL NVELELKAEDNAEIRVHTVED YQAIVDAEWNILYDQKLEKIH SGAKVVLKSLPIGDVATQYFA DRDMFCAGRVPEEDLKRTMM ACGGSIQTSVNALSDVLRGRCQ VFEETQIGGERYNFFTGCPKAK TCTFILRGGAEQFMEETERSLH DAIMIVRRA
5483	35851	A	5529	3	474	
5484	35852	A	5530	374	968	
5485	35853	A	5531	1	568	
5486	35854	A	5532	1	2136	
5487	35855	A	5533	1	240	
5488	35856	A	5534	248	1034	
5489	35857	A	5535	1	1602	
5490	35858	A	5536	120	340	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5491	35859	A	5537	2	408	DEDDDDDEEDDEDDDDDDF DDEEAEEKAPVKKSIRDTPAK NAQKSNQNGRDSKPSSTPRSK GQESFKKQEKTPKTPKGPSSVE DIKAKMQASIEKGGSLPKVEAK FINYVKDCFRMTDQEAHQDLW QWRKSL
5492	35860	A	5538	194	1027	WSFISIHLLSYLSACHLMEDS/ MDMGMRLRPQNYLFSCELKA NKDYHFKVDNNEHQPLPLTTI NLGAGAMDELDIVEAEAMNYE GSPKIVILATLKMSVQPTVSLG GAFETPPVVLRLKCGSGPVHIS GQHLVAVEEDAEEDEEEDV KLLSISGKRSAPGGGSKVPQKK VKLADEDDDDDEEDDDDED DDDDDFDDEEAEEKAPVKKSIR DTPAKNAQKSNQNGKDSKPSS TPRSKGQESFKKQKTPKTPKG PSSVEDIKAKMQASIEKAH
5493	35861	C	5539	212	367	
5494	35862	A	5540	14	1515	
5495	35863	A	5541	1	540	
5496	35864	A	5542	1	1881	MDAALDDLIDTLGGPEETEEEN TTYTGPEVSDPMSTYIEELGK REVITPPKYRELLAKPIGDDAI DALSSDFTCGSP*LYPSQVFHLL DLLPFPSPGYQRLQLQHILA/AVP FKVAGSGGADCILHMEVRDTA SDTGAGAAALDSSVFSVGLDGF SLHSDRSKSSSSSSMSDSLRLG LFSSSGSGNSGFPSSLVAGFNLYS DGI VSSSPHFSFSSSLAFASSTS LIERSSSGSACRPVSEADRASS
5497	35865	A	5543	1	930	
5498	35866	A	5544	1	183	
5499	35867	A	5545	1	555	
5500	35868	A	5546	162	499	FPGSGNMAKDAGLIEANGELK VFIDQNLSPGKGVVSLVAVHPS TVNPLGKQLLPKTFGQSNVNIA QQVVIGTPQRPAASNTLVVWVG SPHTPSTHFASQINQPSDSSPW/S AGKR
5501	35869	A	5547	2	451	LVAEFAADNHILPNESA YDQK NIRRRVYDALNVLMAMNIISKE KKEIKWIGI.PTNSAQECQNLV ERQRRLEIRIKQKQSLQELILQ QIAFKNLVQRNRHAEQQASRP PPPNVSIHLFPFIIVNTSKKTVDC SISNDKFEYLFNFNDNT
5502	35870	A	5548	37	162	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location for first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5503	35871	A	5549	205	616	RKLHGSQSSITIAVFGKQNTYIR LEPFKINVLQITKHIEKLQCGG VVKQLSRGNNQHISSTYDINR ADAQVRRRAVNNYDIHMSNSF NGQSEHQVWIGGQFTFIKFPIN SVSIRCRAQEGIMSSPGQVQG
5504	35872	B	5550	1	1407	
5505	35873	A	5551	3	416	MLPARMC GGIVSG*OFITGNSY DHDYEFELGTRSA*KLKLFST LPD*QLPAGSGEGPYHLEGQLS YCHRGGEKALALLSSPTSKTR SPSEPDEQDEQKLRFCRHLV GQQPRSPVEIRLQHVIAIAYQTH HAYD
5506	35874	A	5552	1988	2137	LVITTLPLACGTAK*E*VNVTS FGSRPICSTSPVLFSL*GPVKEF DT
5507	35875	B	5553	1	561	
5508	35876	A	5554	1	492	
5509	35877	A	5555	3	1055	
5510	35878	A	5556	1	634	
5511	35879	A	5557	1	723	
5512	35880	A	5558	1	384	
5513	35881	A	5559	1	792	
5514	35882	A	5560	3	1607	HCTRM SVK WTSVILLIQLSFCFS SGNCGKVLVWAAEYSHWMNI KTILDELIQRGHEVTVLASSASI LFDPNSSALKIEIYPTSLTKTEL ENFIMQOIKRWSDLPKDTFWLY FSQVQEIMSFIDITRKFCCKDVV SNKKFMKKVQESRFDVIFADAI FPCSELLAEI.FNIPFVYLSFSPG YTFEKHSGGFIFPPSYVPVMSE LTDQMTFMERVKNMIVLYFD FWFEIFDMKKWDQFYSEVLGR PTTLSETMGKADVWLIRNSWN FQFPHLLPNVDVFGGLHCKPA KLPKEMEDFVQSSGENGVVV FSLGSMVSNMTEERANVIASAL AQIPQKVLWRFDGD/KPDTLGL NTRLYKWIQNDLLGHPKTRA FITHGANGIYEAHYHGPVVG PLFADQPDNIAHMKARGA AVR VDFNTMSSTDLLNALKRVINDP SYKENVMKLSRIQHDQPVKPI. DRAVFWIEFVMRHKGAKHLRV AAHDLTFWQYHSLDVIGFLLV CVATVIFIVTKCLFCFWKFAR KAKKGKND
5515	35883	A	5561	2	1600	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5516	35884	A	5562	2	1624	AATGKQALHCIRMSMKWTSAL LLIQLSCYFSSGSCGKVLVWPT EFSHWMNKLTILDELVQRGHEV TVLASSASISFDPNPSTLKFV YPVSLTKTEFEDIKQLVKRWA ELPKDIFWSYFSQVEIMWTFN DILRKCKCDIVSNKKLMKKLQE SRFDVVLADAVFPFGELLAELL KIPFVYRPRFSPGYAIEKHSGLL LFPPSYVPVMSLSDQMTFIE RVKNMIYVLYFEFWFQIFDMK KWDQFYSEVLGRPTTLSETMA KADIWLIRNYWDFQFPHLLPN VEFVGLGHCKPAKPLPKEME/E FVQSSGNGVVFSLGSMVSN SEERANVIASALAKIPQKVLWR FDGNKPDTLGLNTRYLYKWIPQ NDLLGHPKTRAFITHGGANGIY EAIYHGIPMVGVPLLADQPDNI AHMKAKGAAVSLDFHTMSSTD LLNALKTVINDPLYKENAMKLS RIHHDQPVKPLDRAVFWIEFVM RHKGAKHLRVAADHLTWFOY HSLDVTGFLACVATVIFITKC LFCVWKVVRTGKKGKRD
5517	35885	A	5563	1	225	
5518	35886	A	5564	1	3210	
5519	35887	A	5565	1	835	
5520	35888	A	5566	222	477	HPRCLSPKGILKYLTKKYLKKN NLRDWLRVVANSKESYELRYF QINQDEEEDEED*ISFIWKILYE FLNKTWDPKKKKTKKKKK
5521	35889	A	5567	1	778	MAAAAAAGDSDSWDADAFS VEDPVYKVGGGTAGGDRWG GEDEDEDVDNWDDEDEKK EEAEVKPEVKISEKKIAEKIE KERQKKRQEEIKKRLEPEEP KVLTPEEQLADKILRLKKLQEE DLELAKETFGVNNNAVYGDAM NPSSRDDFEFGKLLKDINTQYE ESLYYARFLEVLVRDVCISLEID DLKKITNSLTVLCEKQKQEKQ SKAKKKKKGVPVGGGLKATM KDDLADYGGYDGGYVQDYED
5522	35890	A	5568	1	897	
5523	35891	A	5569	1	2658	
5524	35892	A	5570	1	441	
5525	35893	A	5571	3	427	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5526	35894	A	5572	1	952	PRLVLLKMAPI.DLDKYVEIARL CKYLPENDLKR.LCDYVCDLLL EESNVQPVSTPVTVCGDHGGQF YDLCELFRTGGQVPDTNYIFMG DFVDRGYYSLETFTYLLALKAK WPDRIITLLRGNHESRQITQVYG FYDDCLTKYGNANAWRYCTK VFDMLTVAALIDEQILCVHGG SPDIKTLADQIRTIERNQEPHKG AFCDLVWSIDPEDVDTWAIN PRGAGWLFGAKVTNVEGS*ST NLKLCIRAHQLVHEGYKFMFD EKLVTVWSAPNYCYRCGNIA MVFKDVNTREPKLFRAPDSE RVIPRRTTTPYFL
5527	35895	A	5573	54	588	
5528	35896	A	5574	1	4287	
5529	35897	A	5575	1	507	
5530	35898	A	5576	1	1416	
5531	35899	A	5577	1	841	ILLWDVDGGTLQIDKYLYSSED YIKSGALLACGIVNSGVRNECD PALALLSDYVLHNSNTMR.LGSI FGLGLAYAGSNREDVLTLLL MGDSKSSMEVAGVTALACGMI AVGSCNGDVTSTILQTIMEKSE TELKDTYARWLPLGLGLNHLG KGEAIEAILAALEVSEPFRSFA NTLVDDCAYAGSGNV.LKVQQL LHICSEHFD/SKEEEDKDKKEK KDKDKKEAPADMGAHQGVAV LGIALIAMGEEIGAEMALRTFG HLLRYGEPTLRRVPLALAL
5532	35900	A	5578	2	391	AFGVTEPGCYGV.DVDTGKSTL FVPRLPASHATWMGKL/HSVLT SQKPSVLLTLRGVN.TDSGSVCR EASF.DGISKFEVNTILHPEIVE CRVFKTDM.EVLRYTNKISSE AHREVMKAVKVG.MKEYELER

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
5533	35901	A	5579	18	1541	RRCRANMAAATGPSFWLGNET LKVPLALFALNRQRLCERLRKN PAVQAGSIVVLQGGREETQRYCT DTGVLFRRQSEFFHWAFGVTEPG CYGVVDVDTGKSTLFVPRLPAS IIATWMGKIHSKEHFKEKYAVD DVQYVDEIASVLTSQKPSVLLT LRGVNTDSGSVCREASFDGISK FEVNNITLHPEIVECRVFKTMDM ELAEVLRYSNKISS\EAHREV\MK AVKSGEWKEYGVGKASFEHY\ CYSRG\GMRH\TSY\TCILRAVG *GTS AVLTFTHAGAPNDRTIQ NGDMCLFDMGGEYYSVADIT CSFPRNGKFTADQ\KAVYEAVL LSSRAVMGAMKPGDW\WPDMA HRLAYRIHLEELAHMGILSGSV DAMVQAHLGAVFMPHGLGHF LGIDVHDVGGYPEGVERIDEPG LRSLRTARHLQPGMVLTVEPGI YFIDHLLDEALADPARASFLNR EVLQRFRFGGVRIEDVVVID SGIELLTCVPRTVEEIEACMAGC DKAFTPFSGPK
5534	35902	A	5580	1	98	
5535	35903	A	5581	1	810	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5536	35904	A	5582	1	861	MLKEIIDD TNKWKHIPCSWMG RISIVKMTILPKAIYKFNAVLKI PPSFTELEKTILKFLCNEKRAS RAKARLNKKNKSGGITLLDFKR YYSAIVTKTVWYWKYKRNRIHQ RNRIENPEINPNTYSQLIFNKAN KNIKWGNDFLFSKWCWDNWL ATCRRMKLDPHLSPHTKINSRW IKDLILRPETTKILEDNIGKTLDD VGLGKDFMTKNPKANARKAKI NIWDLIKLSFFTAGKGTVS RVN RQPTWEKIFIHTSDEGLLISRI YNELKQISKKKITNNPIKKWAK DMNRQFSKEDVQMANKYMKK CSTSLIANLICREMQIKTTMQY HLTPARMAIIKSKISRCWHGC GDQGTLLHCWWECKLVQPLW KTVWRFLKELKVELPDPAPL LGTHPEEKSLCKDTCMML AAQFTIAKSWNPKCPSVNEWI KKLCPRWLLSKWASA* NKWK HIPCSWMGRISIVKMTILPKAIY KFNAVLKIPPSFTELEKTILKF LCNEKRASRAKARLNKKNKSG GITLLDFKRYYSIAIVTKTVWY WKYKRNRIHQRNRIENPEINPNT YSQLIFNKANKNIKWGNDFLFS KWCWDNWLATCRRMKLDPHL SPHTKINSRWIKDLILRPETTKIL EDNIGKTLDDVGLGKDFMTKN PKANARKAKINIWDLIKLSFF TAGKGTVS RVNRQPTWEKIFIH
5537	35905	B	5583	473	1694	
5538	35906	A	5584	1	429	
5539	35907	A	5585	572	1149	PPVSHSMTLGNSYLFAPNWTIT PAW/CNTLDPSEFGWQASLSL PSHQQFEHTCPEWLPTYSWPCK VGPDYLS EICQPECKQHFQESL TESSKQNIYETCAIYVSSPGERIL NQRFGPHGAFILVREYDDIRFS HSGPPSTCPNFGPSYYTARESA YALKLRAL EIIQISQSTKMQRNL GNPILPAIHQQPPQ
5540	35908	A	5586	1	804	
5541	35909	B	5587	1	1995	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5542	35910	A	5588	74	1128	LLLDL*VD*SPSRPLEMRFRV*P MKRCTLKKNYLSFLVYISRL *NRVKAIM/VGKAEWKTELPL PRKTVNQKQYRIPGGIAEIST11 KELNNAGMVIPTTSPFNSPIWP VQKIDGSRWMTVDYCKLNQV VTPIAATVPYVVSSELEQIN/TSPG T/WNRKRFNCNRSRLHLKLLCHL GHMTQQI*CFLRQCWHIGMLF GPEICGCTLSGQKL/WKIFVSH AASFWSPEQEKALQQVQAVV QAALPLGPYDPADPVLLEMSV ADRDVWILWQAPISEQWRPP GFWSKALPSSADNYSFPERQLL ACYWTLVETERLTMGHQVTIPP ELPIMNWVFSDLSSPKMCHPQQ
5543	35911	A	5589	1	1337	MIISIDAFAFDKIQQPFMLKTL SKLEETASPSPVVATYTPQPM PSAFPPLSEEINPVLPTTVMAS PEAVTRQDNVDSPOKPPPTPMF ASRPITRLKPRRAPSEEGIQLK KIGMVEWISHFRPTPLSMEGPE HILLTNTLLNRYVKAAPASLKS PLTALLFMSDLTVGTTFSQLQN LNTMGIFGSSCDRSQVAALNHQ RQVPECKIVIDILNIWRIPHIGSL TGRVREIMVGAKWKPLEQPP PRKIVIQKQYHIPGAITEISATIE DLKETGVVILTTSPFKSSIWPLQ KTDGSRWMTVNYHKLNQVET PIAAVDPDVSLLEQINTSPGT WYAAIDLNVVFSIPVYKAHQK QFAFSWQGGQYTFFTLPQGYIN SPDITLVHYIDIMLIGSSEQEV ANTDLLPARVASWGVYDQL T/GGRED*GLLHRWSCRICRHH
5544	35912	A	5590	2	693	KIVN/QKQYHRIHGGIAEISATIKD SKDTGVVIPTTSPFNSPIWPVW KTDGSRWMTVDYHKLQDVVTPI AAAVPDVVSLEQINTSPGTWY AAINLENAFFSIPVHKANQ/KQF AFSWQGGQYTIAPVQ/VKFLG IHWFVACQDIPSKIKDKLLHLA PPTNKKEAQCLVGLFGFWRQH PHLRVLLQPIYQVTLKAAIFEW GPEQEKALQQVQAAVQAAALPL GPYDPTDPMVLE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5545	35913	A	5591	1	1011	MVSTPATLPSLPKALMASWG VPYDQLTKEEKTRVWFTDGS RYAGTTQKWTAVLQPLSR TKDSSEKSSQWAEQAVYLV VHFAWKEKWPDPVGLYTD SWAVANGLAGWSETWEKQ DWKIGDKEIWGRGMWMDL SEWSKAVKIFVSHVSAHQ RVTSAAEEFNQVDRPL/P VFTQWAHEQSGHSGRD GGYSWAQQTGLPFTKADL AMATAECPIQQQRPTLSPL YS TIPQGDQPA TWQIDYIGL PLPSWKGQKFLVTVIDTYS RYFAYPAHNASAKTTIHGL IECLHCYGIPIHSIADQSIH /TTKEVQ*WAH AHGIHWSYHVSHHPEAA AGL
5546	35914	A	5592	7	278	SASCTAAFHQMEVVYTRSG SRS*R/PTIPVIAQWDYD HNGHGRDGGYPWAQQHEL PLTKADLATATAECPIQQQ RPSLSPRCGTIPR
5547	35915	A	5593	1	237	
5548	35916	C	5594	63	116	
5549	35917	A	5595	2	739	HKMGHAQQHSIIKW*YIC DWARAGPKGTTAPMASWG VLYDQLTEEEKTRAWFTD GSARYAGTTQKWTAAALQ PLSRSLKSGEGKSSQWAE LQAVHLVVHFSWKDKWPD VRLYIDSWAVANGLAGWS GTWKKHDKWIGDKEIWGR GMWMDLSEWPKPVKIFG SHVSAHQWVISAEDFNQV DKMTCSVDITQPLSPATPV ITQWAHKQSGHGGRRDGG YTWQQHGLPLTKTGLAMA TAECP
5550	35918	A	5596	1	354	
5551	35919	A	5597	3	592	
5552	35920	A	5598	126	365	QLAEPHWLPD*KAGFEWGP EQKKALQ*VQAAVQAALPL GPDADPMVLVSVADKDAV WIFHLSGSDRWRTYRCL
5553	35921	A	5599	1	483	
5554	35922	A	5600	1	1908	
5555	35923	B	5601	141	1569	
5556	35924	B	5602	46	1533	
5557	35925	A	5603	61	448	WRFLGPWRIVSCWFCGWE ERR EGSAFFVGIPARMSAARE SHPHGVKRSASPDGDLGSS NWEAAAYLGNEERKQKFL RLMGA/GKGEE DQKINEELESQYQHSMD SKLSGRYRRHCGLGFEV EDHDGEGD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5558	35926	A	5604	1	404	PWRIVSCWFCGWEERREGSAFF VGIPARMSAARESHPHGVKRSA SPDDDLGSSNWEAADLGNEER KQKFLRLMGAGKKKEHTGRLVI GDHKSTSHFRTGVEDHDGEGDV AGDDDDDDDDSPDP*SPDDSES DSESE
5559	35927	A	5605	2	434	LG PWRIVSCWFCGWEERREGS AFFVGIPARMSAARESHPHGVK RSASPD DDFLFAIMNGK*KIV NSHRCSVKAKSRQQLGSSNWE AADLGNEERKQKFLRLMGAGK KEHTGRLVIGDHKSTSHFRTGE ED*KINEELESQYQH
5560	35928	C	5606	909	1096	
5561	35929	A	5607	1	309	PQPAAMAAYIWLIRHGESAW NLETFSFGWYDATLSLAGHKE AKRGGQALRGLFQVPLAPEAV GTVWCSWRTPCALKQL*PRPL KRRLRILADRHATQPRPQQ
5562	35930	A	5608	93	914	SQSVPHQPAPAMAAYKLVLG/ RHGESAWNLENRFSGWDDADL SPAGQRRGGERFAAQLQDAGY EFDICFTSVQKRAIRTLWTVL/ DAFDQMWLASGEGWGFNER HYWGS*PGLN*KQKLAAKIG*G PRLKIWRRSYD/VPPPPMEPDH PFYSNISKDRRYADLTEDQLPS C/ESLKDITARALPFWN EIVPQI KEGKRVLIAAHGNSLRGIVKHL EGLSEEAIMELNLPTGIPIVYEL DKNLKP KPMQFLGDEETVRKA MEAVAAQ GKAKK
5563	35931	A	5609	2	450	VNKAGGLIYQLDSYAP/RAEAE KTFSYPLDLLKLHDERVLVAF GQRDGI R VGHAVLAINGMDVN GRYTADGKEVLEYLGNPANY VSIRFGRPRLTSNEKLMLASMF HSIKFVVLADP/RQAGIDSLRK IYEIYSDFALKNPFSLEMP
5564	35932	A	5610	1	663	
5565	35933	A	5611	1	2034	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5566	35934	A	5612	374	1106	IPVSRQGSQDWRFFSVYVVNKA GGLIYQLDSYAPTGLRLEKTF YPLDLAGSS*HDERVLVAFGQR GRHPEWGHAVLAINGMDVNG RYTADGKVEVLEYLG*PLLNY VSIRFGRPRL/TSNEKLMGLP CFHSLFAIGSQACLPGTREASR HLKILGRQDTFKILHCYQTLTG IKFVVLADPRQAGIDSLRRI YEVYISDFALKNPFIYSLEMP IR CELFDQNLKLALEVAEKAGTF
5567	35935	A	5613	1	336	
5568	35936	B	5614	60	2175	
5569	35937	A	5615	2	198	
5570	35938	A	5616	1	449	
5571	35939	A	5617	1	771	
5572	35940	A	5618	18	736	EAMSSKVSRDTLYEAVREVLH GNQRKRRKFLETVELQISLKNY DPQKDKRFSGT/VQVGTVLIPPS PQCPRACPSAGSR*AGGGHVG TDVLG*FRPPAPGRRGWTDPHP GS*NMRRGGVGRPPSPASLRS QAGCW*M*TLRVRLGWLLRSQ TLHRLGTPGLGVTWCWCCPPK RRLKSTPRPKFSVCVLGDQQHC DEAKAVDIPHMDIEALKKLNK NKKLVKKLAKKYDAFLASESLI
5573	35941	A	5619	24	698	EAMSSKVSRDTLYDAVREVLH GNQRKRRKFLETVELQISLKNY DPQKDKRFSGTVRLKSTPRPKF SVCVLGDQQHCDEAKAVDIPH MDIEALKKLNKKNKTGSRSWP KKYDAFLA/SQSPLIQADSPKSL GPISLNKGRKSSPSLLTHNKNM VAKVDEVKSTIKFPNWRRLCL CL AVAVGVHVKMTDDELVYNIHLA VNFLVSLKKNNWQNVRLYIK SPMGKPQRLY
5574	35942	A	5620	1	843	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5575	35943	A	5621	3	1215	LLIMADPRDKALQDYRKLLLE HKEIDGRLKELREQLKELTKQY EKSENDLKAQSVGGQIVGEVL KQLTEEKFIVKATNGPRYVVG CRRQL*QKVSLKPGTRIVALAD MTTLTIMEDILPRLEVDPVYN MSIHEDPGNVSYSEIGGLSEIQI RGI*GEVIGLPLYKPQSYFQRVG IIPPKIGCLLYGPPGTGKNT/LLA RAVASQLDCNFKVVSSIVDK YIGESARLIREMFNYARDHQPCI IFMDEIDAIGGRRFSEGTSADRE IQRTLME LLNQMDGFDTLHRV KMTMATNRPD TLPALLRPGR LDRKIHIDLPNEQARLDILKIHA GPITKHGEIDYEAIVKLSDG/FN GADLRNVCTEAGMFAIRADHD FVSTGKTS LKAVRK VADSKKL ESKLDYKPV
5576	35944	A	5622	104	173	
5577	35945	A	5623	1	1140	
5578	35946	A	5624	1	528	
5579	35947	A	5625	1	1083	
5580	35948	A	5626	1	471	
5581	35949	A	5627	1	2322	
5582	35950	A	5628	1	678	
5583	35951	B	5629	213	1477	
5584	35952	A	5630	2	339	FGLHKWGLGLEASSPCGPLTPS YLGFP RPHPGTLGLGRFWPFLA LQSLSETPSHARMPRTVARTS PETLEISPLRAAT*NHRSSGHTC FRERMLRVSCRLSLDLSSSWVR
5585	35953	A	5631	1	783	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5586	35954	A	5632	92	2746	ASRMTVLQEPVQAAIWQALNH YAYRDAVFLAERLYAEVHSEE ALFLLATCYRSGKAYKAYRL LKGHSCCTPQCKYLLAKCCVD LSKLAEGEQLSGGVFNKQKSH DDIVTEFGDSACFTLSLLGHGII VQTERAAKGTAFAFKRLCLHTF PWTPLPLEVEIGERPLPHQTFN FTS*RNFA NCLHTSGTKQVTN HVFHRQPETVLTETPQDTIEL NRLNLESSNKSYSLNTDSSVSYI DSA VISPDVTPLGTGTSILSKP VQNKPKTGRSLGGPAALSPL TPKFWGFLPIRKPPSPGDSY LQNYTNTPPVIDVPSTGAPSKK TFRVLQSVARIGQTGTSVFSQ SGNSREVTPIAQTQSSGPQTST TPQVLSPTITSPNALPRSSRLF TSDSSTTKENSKKLKMKFPPKIP NRKTKSKTNKGGITQPNINDSL EITKLDSSIIEGKISTITPQIAF NLQKAAAEGLMSLLREMKGK YLALCSYNCKEAINILSHLPSSH YNTGWVLCQIGRAYFELSEYM QAERJFSEVRRIENYRVEGMEIY STTLWHLQKDVALSLSKDLT DMDKNPESGTQRGRESRPMC GADSQIEKSQSSYFIQDLRSFDY VKFAVVTKIRAWCAAGNCFSL QREHDAIKFFQRAIQVDPNYA YAYTLGHEFVLTEELDKALAC FRNAIRVNPRIYNAWYGLGMI
5587	35955	A	5633	260	678	GEFSIFFWVWN*LLLWHQETFS I*NLFSSH*TSITYQATEEGDFDII QMKLIHFGDSIFIYLLKLLINRK P**EAAISI*V*TWRSRFSHFQLR *HQTQVTNHSWFTEAR*LTDLV KSKSPTIPCSRFKANTLF**SDP
5588	35956	A	5634	1	1452	
5589	35957	A	5635	2	1563	
5590	35958	A	5636	1	444	
5591	35959	A	5637	2	345	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5592	35960	A	5638	2	1721	RSREAAA VAAAAATTAFGCR WNPCAALTMKQSSNVPAFLSK LWTLVEETHTNEFTWWSQNGQS FLVLDEQRFakeILPKYFKHNN MASFVRQLNMYGFRKVVHIDS GIVKQERDGPVEFQHPYFKQGG DDLLENIKRKVSSSKPEENKIRQ EDLTKIISAAQKVQIKQETIESRL SELKSENFSLWKEVSELRAKHA QQQQVIRKIVQFIVTLVQNNQL VSLKRRRPLLLNTNGAQKKNL FQHIVKEPTDNHHHKVPHSRTE GLKPRERISDIIIVDVTDDNAD EENIPVIPETNEDVISDPNSCSQY PDIVIVEDDNEDEYAPVIQSGEQ NEPARESLSSGSDGSSPLMSSA VQLNGSSSLTSEDVPTMDGFP FGMDNIQSFWGRVELLDYLDLS IDCSLEDFQAMLGRQFSDPDL LVDLFTSSVQMNPTDIYNNTKS ENKGLETTKINN VQPVSEEGK ENLKS KPDKQLIQYTAFFLLAF LDG\NPASSV* TGRGTTASFRKF CPL*DKPIEVDELDDSLDPEPT QSKLVRLPLEL TEAEASEATLFY LCELAPALDSDMPLDLS
5593	35961	A	5639	2	251	QLRSPLKWKKAQRQPLAIAHV LLLRPRKKRQNGFFT VRYARLL STLPRSWRRKQWY* AQNHVRS PEWKWHYQSL
5594	35962	A	5640	70	297	
5595	35963	A	5641	3	985	
5596	35964	A	5642	1	3501	
5597	35965	A	5643	1	1752	
5598	35966	C	5644	1	879	
5599	35967	A	5645	21	519	LHIVPRTLSCRFVGVCRWSTPG PVCIGISSGGCRTVDIAALQLW LRGLALPEQLLRVDPHPQACRR LPREPPGPGQTFTGREPPQAVS TKEASSNNLHAPERTVAGLTFT TEQVRALEGVFRHHQYLGPLE RNWLAREMQLSRSR*KPGFKI AG*NTNGKCRTPS
5600	35968	A	5646	90	2401	
5601	35969	A	5647	776	1018	
5602	35970	B	5648	1	1296	
5603	35971	A	5649	1	1257	
5604	35972	A	5650	731	4841	
5605	35973	A	5651	325	9497	
5606	35974	A	5652	1	322	
5607	35975	A	5653	1	819	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, v=possible nucleotide insertion)
5608	35976	A	5654	56	251	
5609	35977	A	5655	149	701	
5610	35978	A	5656	3	415	
5611	35979	A	5657	3	467	AIASPRAGIRHELTSTMAAGK NKRLTKGGKKGAKKKAV/DNII NIGKTLVTRTQRTKIASDGLKG RVFEESLADLQNDVTDGYLLRVI *VAFTTERTNQ/REVFNKLIPDS IGKDIEKACQSIYPLHDDFARK VKMLKKPKFELRKLMEHGG
5612	35980	A	5658	2	418	PRVRADGKNFRLTKGGELGAR NKVVDPFSKKDWYDVKAPAM FNIRNIGKTLVSRTOGTIASDG LKGRVFEARLADLQNDVAFIK CKLITDDVHGKNCLTIFHGMDL TRDKM/CSLGKKWQTMIEAHV DVKTDDGYLL
5613	35981	A	5659	3	121	
5614	35982	A	5660	1	237	
5615	35983	A	5661	25	967	FSPAAGIRHEGLTSTMAVGKN KRLTKG/GKKGS/KKKVVDPPF R/KDWY*RRKHPLMFHYKNIG KTLVLTQDPKPKIA/SDGLQGF VCLKVSLADLQNDVSRKF RLITEVCFRGNLP*LTSHGAW DLYPVTMCSHGQKNWQTM DSSR*MFKTNPMPYLALRLFLC /VGFT*KNRNQFRLRKAPPYAS ATQQVPPKSRKKM/MEIMTPR GARQNDLEKKWVNKLIPRQAL GKDIRKGAQSYFIPLHDVLR EKLKLEGSFKF*IGESSLGASM GGRAVVPGKSHLGTGTGAKVG TSLMGYEPPVPRILV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US/N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5616	35984	A	5662	1	2142	MIILIDAEKAFDKIQPFMLKTL NKLIGDGTLYKITRAIYDKPTA NIILNGQKLEAFPLKTGTRQGCP LSPLLFNIVLEVLQAIRQEKEI KGIQLGKEEVKLSLFADDMILY LENPIVSAQKLLKLSISVSKVSG YKINVQKSQAFLYTNNRQTESQ IMSEFPFTIATKRIKYLGIQLTRD VKDLFKKYKPLLNKIKEDTNK WKNIACSWIGRINIMKMAFPR WELNNENTWTQEGEHHTLGPV VGWGKRGGIALVDIPNVNDKL MVLEVLARAIQKKEIKGIQLG KEEVKLSLFADDMIVYLENSIV SAQNLKLISNFSKVSQYKINVQ KSQAFLYTNNRQTESQIMSEFP FTIATKRIKYLGIQLTRDVKDLF KENYKPLLKEIREDTNKWKNIP CSRIGRINIMKMAILPKVIYRFN DPIKLPMTFFTELEKTTLKFIW NQKRACIAKTILSKKNIAGGITL PDFKLYYKATVTKTAWYWWYQ NRDIDQWNRTEASEVTSIYNNH LIFYKPDKNKKWGNDSL FNKW CWENWLAICRKLKLDPLTPYT KIHRSWIKDLNVRPKTIKLEEN LGNTIQDIGMGKDFMTKTPKA MATKAKVDKWDVIKLSFCTA KETTIRVSRQPTEWEKIFAIYPS DKGLISRIYKELQIYRKK/TNN PIKKWAKNMNRHFSKEDIYAA NRQMKKCSSLVIREMQIKTTM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
5617	35985	A	5663	1391	2742	KKRESSLTHVMRPA SF*YQSQAE ETQKKRILDQY P**TLMQKSSI K/YLAKRIQGHKKLIHHDQVGF IPGMQGWFNIRKSINVIQHINRA KDKNHHIISIDAEKAFDKIQPPF MLKTLNKL ELET TVKFVWQ KRAHIAKSILSQKNKAGGITLR DFKLYYKATVTKTAWYWYQN RDIDQWNRTEPSEITLHIYNYLI FDKPEKNKQWGTDSL FNKWC WENWLAICRKLKLD PFLTPYTK INSRWIKDLNVRPKTIKLEENL GITIQDIGMGKDFMSKTPKAMA TKAKIDKWDLIKLSFCTAKET TIRVNRQPTKWEKIFTYSSDK GLISRIYNELKQIYKKKTNNPIK KWAKDMNRHFS EEDIYA AKKH MKKCSSLAIREMQIKTTMRVH LTPVRMAIIKSGNNRHAPFSIH THIMFGSLYLIQKDL SILGFV YPRGILEPIY
5618	35986	A	5664	1	1910	MTIIHIIIIIIITIIHVIITINIVIT TTILTTVHSIIIIITIFVFETGAI KLEIRIKL LTQNRSATWKLNNL LLNDYVWHNEMKAEIKMFFET NENKDTTCQNLWDTFKAINKID RPLARLIKKKREKNQIDA IKND KGDITTDITGIQT TIREYYKHLY ANKLENREEMDKFFDTYTL PRL NQEEVESLNRPI TGSKIEEINSL SIKSPGPDGFTA EIFYQRYKEE LVPFLLKLFQSIEKEGII LNSCCE ASHILIPKGRD TT KENFRPISL MNIDAKILNKT LANRIQQHITK LIHHIVQVGFI PGMGWFNIRKS INNWKKTTLKLIWNQKRACITK SILSQKNKAGGITLPDFKLYYK ATVTKTAWYWYQNRDIDQWN RTEASEIIPHTYNYLSFDKPDKN KKWGNNSLFNKWCWENWLAIC CRKLKLD PFLTYTKINSRWIK DLNFGTETIKTLEENLGNIHDI GMGKDFMSKTPKAKATKAKID KWDLIKLSFCTAKETTIRVNR QPTWEKIFAIYPSDKGLISRIY KELKQVYKKKTNNPIKKWAKD TNRHFSNEDIYAANRHMKKCS SSLAIREMQIKTTMRVH LAPVR MTIIKSGSNRQ/W*ASGHVRC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /=-possible nucleotide deletion, \=-possible nucleotide insertion)
5619	35987	A	5665	1	2460	MPHAGHARSPGHTLIKLAEWWM MSRWMEWNPFGPLSIDAKCHK DLPRDIQDFSEKGVDFVLNYSK ALNQEEVESLNRPIITGSEIAIIN SLPTQKSSGPDGFTAIFYQRYK EELVPFLLKLFQSEKEGILPNSF YEASILIPKPGRYTHKKNFRPI SLMNIDAKILNKILANRIQQHIK KLIHQDQVGIIPIGMQSWFNHKK SINVQIHINRTKDKNHMIISDAE KAFDKIQPFMLKTLNKLGIK YLRIQLTRDVKDLFENYKSL NEIKEDTNKWNIPCSWIGRMN IHKMAI/LPKVIYRFNVIPIKLPMT FFSELEKSTLKIWNQKRARIK TILSQKNKAGGIMLPDFKLYYK ATVTKTAWYQYQNRDIDQWN RTEPSEMTPHYNHLIFDKPDKN KQWGKDSL FNKWCWENWLAI GRQLKLDPLTPYTKINSRWIK DLNVRPKTIKTLEENLGNTIQDI SMGKDFMSKTPKAMATKAKM DKWDLIKLSFCTAKETTIRVN RQPTWEKNFAIYSSDKGLISRI YKQLKQIYKKKTNNPIKKWAK DMNRHFSKEDVYAANRHMKK CSSSLAIREMQIKTIMIYHLTPV TMAIIKSGNNRCWRGCGEMG TLLYCWWDCKLVQPLWKTW QFLRDELGIPDPAIPLGIYPK DYKSCCYKDTCTPKLARDQI HILKQHRKLETRQKQYRAW
5620	35988	A	5666	689	1909	LIA YQPKKSRTRWIHNQILPERI KYLGIQLTRDVKDLKEKYKPL LNEIKEDINKWNIPCSWIGRIN LVKMAIL/PQAICRKLKLDPLT TYTKINSRWIKDLHVRPKTTKT LEENLGNTIQDIGMGKDFMSKT PKAMATEAKIDKWDLIKRRKSFC AAKETTRVNRQPTDWEKMF IYSSDKGLISRIYELKQIYKKK TNNPINKWAKDMNRHFSKEDI YAANRHMKKCSSSLAIREMQIK TTVSPFAAQWVSQRYGK WQEA HPSNNDDGKYRGKPRFQSLSD VHGPQDQKKIIESALPPTPTFI NILMNAKTIENGQFPYLLNALK QQQPHDAENLFTWGKENAAIV SPCIEVSAALSQWK VPAWPQRS GIPNRILRSPIGLGSWVAFDL VWVRGDPTALK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
5621	35989	B	5667	1	1962	
5622	35990	B	5668	1	1851	
5623	35991	A	5669	1	1947	MNIDAKILNKILANRIQQHIKLL IHHDQVGFIPGRQGWFNICKSIN VIQHINRAKDKNHMIIISIDAEKA FDKIQQLFMLKTLNKLGDGT FKIIIRAIYDKPTANILNGKKLEA FPLKTGTRQGCPSPLLFNIVLE VLARAIQKEIKEIGIQLGKEEV KLSLFADDMIVYLENPIVSAQN LLKLISNFSKVSQYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLGIQLTRDVKDLFKEN YKPLLEKEIKEDANKWKNIPCSW VGRINIVKMAILPKVIYRFNAIPI KLPMTFFTELEKTTLKFIWNQK RAHITKAILSQKNKARGITLPDF KLYYKATVTKTAWYWYQNRD IDQWNRTPQSEITPHIYNLIFD KPDKNKQWKGKSLFNKWCWE NWLAICRKLKLDPLTPYTKIN SRWIKDLNVRPKTTKLTLEENLG ITIQDIGMGDMFMSKTPKAMAT KDKIDKWDLIKLSFCTAKETT IRVNRQPTKWEKIFTTYSDDKG LISRIYNELKQIYKKKTNNPIKK WAKDMNRHFSKEDIYAAKKH MKKCSPLAIREMQIKTTMRYH LTPVRMAIHKSGNNRCWRGC GEIGTLLHCWAWINWMKKTWH IYTMEEYASIKKNEFMSFAGA* MKLETII
5624	35992	A	5670	2	1967	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5625	35993	A	5671	1039	2272	KKRESSLTHVMRPASF*YQSQA ETQKKRILDQYP**TLMQKSSI K/YLAKRIQQHIKLIHHDQVGF IPGMQGWFNIRKSSINVIQHINRA KDKNHMIIISIDA EKAFDKIQPPF MLKTLNKELEETT VKFIWNQ KRAHIAKSILSQKNKACGITLR DFKLYYKATVTKTAWYWYQN RDIDQWNRTEPSEITLHIYNYLI FDKPEKNKQWGTDLSLFNKWC WENWLAICRKLKLDPLTPYTK INSRWIKDLNVRPKTIKLEENL GITIQDIGMGKDFMSKTPKAMA TKAKIDKWDLIKLSFCTAKET TIRVNRQPTKWEKIIFTYSSDK GLISRIYNELKQIYKKKTNNPIK KWAKDMNRHFSEEDIYAAKHH MKKCSSLAIREMQIKTTMRVH LTPVRMAIIKSGNN
5626	35994	A	5672	1	3477	
5627	35995	A	5673	1	2814	
5628	35996	A	5674	1	2093	
5629	35997	A	5675	1	2724	
5630	35998	A	5676	1	4680	MDKFLDITYLPRLNQEEVESLN RPITGSEIVAIINSLPTKDPGPD GFTAIFYQRIKYLGIQTRDVK DLFKENYKPLLEIKEDTNKW KNIPCSWYGRINIMKMAILPKVI YRFNAIPIKLPMTFFTELEKTTL KFIWNQKRARITKSILSQKNKA GGITLPDFKLYYKATVTKTAW YWYQNRDIDQWNRAPSEIML PIYNYLIFDKPDKNKQWGKDSL FNKWCWENWLAICRKLKLDPL LTPYTKINSRWIK
5631	35999	B	5677	1	1989	
5632	36000	A	5678	1	2784	
5633	36001	B	5679	1	3573	
5634	36002	B	5680	1	2630	
5635	36003	A	5681	5339	10577	
5636	36004	A	5682	1	873	
5637	36005	A	5683	1	672	
5638	36006	A	5684	1	435	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, /=Stop codon, /-possible nucleotide deletion, \=possible nucleotide insertion)
5639	36007	A	5685	I	1011	MVRFGDELGGRYGGPGGGERA RGGGAGGAGGPGGGLQPGQR VLYKQSIQARARTMALYNPIPV KQNCFTVNRSLFVFSEDNVVRK YAKRITEWPPFEYMILATIIANC IVLALQHLDPGDKTPMSERLD DTEPYFIGIFCFEAGIKIALGFV FHKGSYLRNGWNVMDFFVVVL TGRKAGLGCCSGVSEGGWGD RSSSPAMEQSRMENDFDELTEV GFRKSVITNFSELKE/DVRIHRK EAKNLEKRLDKM/VNRSNVEK TLNDPMEKTMARELCDACTS FSS*FNQVEEKVSVIEDQMDEM K*EEKFREKRVKRNEQSLQEIW DYVKRPNLRL
5640	36008	A	5686	I	1539	
5641	36009	A	5687	I	756	MDDPRLNVKPLTESLETYSKGS KGLEGDVITDSKLNDCRCPST KLPEEGLGSNCCSAIFAVLQPL LVIPRQTGSGVDHQQTPTDLRM TVRRKMNMKQGIASSTKRTK KDIHTKTPSVCHQHQRPKDCSP SPATEQSWMENDLEELTEIGFR RSVITNFSELKEDVRIHHKKAK NLGKRLDEWLTRINSVEKTLND LMELKTMARELHDSCTSFNSRS NQAEKVSVIDQFNEIKREEK FREKRVKRN
5642	36010	A	5688	I	1008	MVRFGDELGGRYGGPGGGERA RGGGAGGAGGPGGGLQPGQR VLYKQSIQARARTMALYNPIPV KQNCFTVNRSLFVFSEDNVVRK YAKRITEWPPFEYMILATIIANC IVLALQHLDPGDKTPMSERLD DTEPYFIGIFCFEAGIKIALGFV FHKGSYLRNGWNVMDFFVVVL TGRKAGLGCCSGVSEGGWGD RSSSPAMEQSRMENDFDELTEV GFRKSVITNFSELKEDVRIHRK EAKNLEKRLDEWLTRMNSVEK TLNDLMELKTMARELRACTS FSSQFDQVQEMVSVIQDQISEM KREEKFREKRVKRNE/QLQ*I WDYVERPNLRL
5643	36011	A	5689	I	672	
5644	36012	A	5690	I	807	
5645	36013	A	5691	I	1617	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in I/SSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5646	36014	A	5692	1064	1893	LLEGSININKKDIYTKTQSVGRQ HQRPKVDKTTKMRNQNRKA ENSKNQSASSPPKDCSSSPAME QSWMENNFDELTEIGFRRSVIT NFSCLKEDVQTHCKEAKNLKK RLDECLTRINSVEKKTLNLDLME LKTMAQELHDTCTSFNTQFDQ VEERSVIEDQINEIK*EEKFRE KRVKINE*SCQEIWD*VKRPNI HLITVPESDGEKGTLENTLQDI IQENFHNIAEQANIQIEIQRTA QRYSSRTATPRHIVRFKAVEM KEKVLRAARKKG
5647	36015	A	5693	3	620	EAGWLLSSVDEVMKENDEL DSISLQKQILSLKSAKIALTESL ISFRERAIEVEKQTQALIM*VAD LQQGNDQTFQGLDGTSELTLI PGDPKHHCPPGPKVRAYGDO VINGVLAQVQLIVGPVGPWTHP VVISPVPECVIGAILNSWQNP HIGSLTGRVRAIMVGISWQGGQY TFTVLPRQYINFPALCHKTAKR HTARR
5648	36016	A	5694	1	1098	
5649	36017	A	5695	2	563	IIRRAVFRWFVG*RSWGLNMIR PQNTKDSNSNCKLEKTDSPWC ELFKELYKINAFDTPDLSLLMRG NEFSDPIHHTFDHMRWRTKEHNE AGWLLSSVDKVMKENDELGDS ISLQKQILSLKSAKIALSESUS CRERAIEVEK*T*ALIMLVADL Q*KVHAQPHHAQPRQVSTVKV RALIVLQEVTD
5650	36018	A	5696	1	499	FVLVDVNNMWHRYASMLYER RLLIICSKLSTLTACHGFAAML YPMYWQHVVYTPVLPPHLLDYC CAPMPYLIGIHLSLMEKVRNMA LDDVVILNVDNTNTLETPTFDD LQSLPNDVISSLKNRLKKVSTTT GDGVARAFKKAQAFFGSYRNA LKIEPEEPTFCEEA
5651	36019	A	5697	1	795	
5652	36020	A	5698	103	3531	
5653	36021	A	5699	1	2073	
5654	36022	A	5700	1	901	
5655	36023	A	5701	148	639	
5656	36024	A	5702	1	318	REYGTPEQELNALLTLNLSL PKGQMLSAAEQHLQKPAKTE A/GRMIWQRDPITKIWEIGKIT WGRGYACVSPGQNHQSVWIPS RHLKSCGHGDAKEEIPGGS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5657	36025	A	5703	1	612	PTRPIKHITDIPYNSEGOAIVER MNLSLKQQLQKHKKGGK/SKD YGTPHMQLNLALLTLNLSLPLK GQILSVAEQHLQKPAKTEAEQ LVWWRDPITKS*EIGKIITWGK GYACVSPGLTQQPIWIPSRHLK PYHEPDAEEEEIPGSGRGPPPPV/ DSHVETDAEEPHCHEQHLNNT ATHLGTDDQEA VTAGGRKPEES KTTSHNK
5658	36026	A	5704	2	791	
5659	36027	A	5705	2301	2620	DGQQLIALHRLALRELQQAGH AGLPQQA KILFDGGSEIGKIRGL QRPRAKNRLSGRGPLREPSPK*F FGVQGRKTLNRTLKGAPH*NL AAKAGKPLSPCTSGRIRM
5660	36028	A	5706	1	1010	MDDIPQEA GRYRHNQAYAYS QGDGAEDDDERIVRFHTRVTV DSDTLASDAARLTCRHGLGNQ GSDLVLYGTSTPKNLIWVRVH VVGHRPDRRFFAFDVWSPRLI VDSCSKLEQHSTLSRAILLIYKG FCRFRNHHQTGFSPAGANQRGP LAATLSGPGGEGQSAVARLTGE KKNHPGAQYANRLSPRVGRFIN AAGTTGFPTGKRAVSATQLMD FADFGTTIKQDFRLLGQTSVDR LLQLSQGQANVQQFIDEGNYTS GDNHTLRDPHYVEDKGHKYLV FEANTGTENGYQGEESLFNKA YYGGGTNFRKESQKLQQSAK KRDAELANGALGHIELNNDYTL KKVMKPLITSNTVTDEIERANV FKMNGKWYLFDTSRGSKMTID GINSNDIYMLGYVSNLTPYK PLNKTGLVLQMGDPNDVFTF YSHFAPVPAKGNVVTYSYMT RGSSR*RQRP*IPCIRSQHGHRK RIPR/SKNLYLTKRTTAAARTSS VKKARSFSLRALKNAMLS*RTAP
5661	36029	B	5707	1	1149	
5662	36030	B	5708	55	3947	
5663	36031	B	5709	4	885	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5664	36032	A	5710	461	1560	SLQTRDLPSEPPSNRIFACWGK PAWTACNSLRARR*RAISCCP SH*KRIPRRRIFI*PKRTTAAART SSVKKARSFSRALKNAMS*RT APSVS*S*IMITH*KK*SR*SLQ TRDLPSEPPSNRIFSPAGANQR GPLAATLSGPGGEGQSAVARLT GEKKNHPGAQYANRLSPRVGR FINAAGTTGIPDWKAGSERNAI NGAIALIEGFRPLTLEPSSLIVNS CSKLEQHSTLSRAILLIYKGFCR FRNHQTGFSPAGPNQRGPLAA TLGPGGEGQSAVARLTGEKK NHIPGAQYANRLSPRVGRFINAA GTTGFTGKRAVSATQLM
5665	36033	B	5711	1	1458	
5666	36034	B	5712	1	3573	
5667	36035	A	5713	606	1005	GGMLCGTLSPDGEQGSAAVAR LTGEKKHPRGDQ*QKAPLLAR W/RNPLMQLAQ/PDFTGKRRAI DTHRSVSHAHIIITHSSTLSSDIS HTDAPNTSSNNYVIAITSPSDTA PSTRPLHRIHHHTPIPIATLARP
5668	36036	B	5714	1	1566	
5669	36037	C	5715	29	2314	
5670	36038	A	5716	597	1384	ISYTVPEALSARSNPAACQHAS CRPAACPVASVGSPPQAPGGA GGHRHWPRRRWRLRQRPSPA PGRPRRRPRPRRHRRRRPRPH HHAPPPRPSCAETRSRRGGGRR PLPRPLPPGAAGAGHREVGDK AGAAGCGRRVVALAA/PVSPPS SPSSPSPLLSAAVGVAGCFSAE LSDSRLLAPGGEGPLARSPAR CDPAAGSACPAWSSRQRRC ELMCAAGISCWHTGHCTWCSL SFMPVLVLMILAASFRPVAVSSH
5671	36039	B	5717	1	3873	
5672	36040	C	5718	356	784	
5673	36041	A	5719	1303	1664	KRRDEIIPCVLKQLLVTFITCR ASCINESANARGEAVCVLGAR VV/SSFHQ*DGQQLIALHRLALR ELQQAVHAGLPQQA KILFDGGS EIGKIPYKSKE*PENRLSVVPVW EQUESTLASV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5674	36042	A	5720	453	915	TVSRWAMLEHILLFSREPSNKE PET*AHSM*ADDKRFAAYKKK TKGGTERWDKYGRPPANGIRT GENNAKTEHLRDRDQKR/PRER ERAR*TTTEITEQEGSG*GEPVEQ MRKKRAQAWSRRKSTGSGQTET RSVRVTRVGLKTASESRRTM EQN
5675	36043	B	5721	319	1469	
5676	36044	B	5722	164	3112	
5677	36045	A	5723	1	1102	MRWTPGHEITKALQTFQRYTGI QHVHRIGMAERMWCDNRNR HTVSSSGGNRLPNPEHFEAFQS VAQCTYNQTVQLDITAFKKT KKNKHKFYPAFIHILARLMNAH PEFRMAMKQDVDSCKLEQHST LSRAILLIYKGFCFRFNHHQTGF SPAGANQRGPLAATLSGPGGEG QSAVARLTGEKKNHPGAQYAN RLSPRVGRFINAAGTTGFPYTK RAVSATQLIYRELFPPQLVQLD PCSVPQMPPSPKSRRAWVSDI ALLEFQKKKEMEKKKEKERKK ELQGGRRRRGGGWGKGRER GGRGKKRRGGGEAIRDAEKAG RLPHPDMEIRGRVEQRVGYTIE QINHMARDVFGTRLRLRAEDVFPP VIGVAAHKGGVYKTSVSVHLA QDLALKGLRVLLVEGNDPQGT ASMYHGWVPLHIHAEDTLLP FYLGEKDDVTYAIKPTCWPLG DIIPSCALHRIETELMGKFDG KLPTDPLMLRLAIETVAHDYD VIVIDSAPNLGIGTINVHPAWGS AISLLEYSPGHLAGFVASIPAPL QLVPRWDTKPVLEDASASSRFS IPQRNPTHILHPTTSFPCNDPTV DAWMRFLITWCLYTSPSYTLM GELFPFYQGMLESTKQGSQVR KVFVWTLVPNNNTQPSRAI LLIYKGFCFRFNHHQTGFSPAG ANQRGPLAATLSGPGGEGQSA
5678	36046	B	5724	90	6258	
5679	36047	A	5725	837	1485	
5680	36048	A	5726	1	2993	
5681	36049	A	5727	1	123	
5682	36050	A	5728	1	960	
5683	36051	A	5729	507	755	NKRGYKQMEEHSLMGRKNQ YRKNGHTAQNL*IQCHPHQA TNDFLHRIKGNDFQVHMEPKK SPHRQVNPKEQSWRHAT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5684	36052	A	5730	274	882	PDQVDRGGAHWQTDADDPWL ADHLQHCQRCGEILRHYSGGIR GNVSAYKCAEHHVPAFARLRN PQCGDFQRLDYRLFDSPGVKRR EL*TA YRFCHVAP*LMDLRSG WAAGAVYRYQSH*FTADRLRSV VDMDEAGNHHSQQT\SQDQKI KQRTFSLISGS*TTTRTHGHREGN ITHRGLSRPNTARILCASKAHLG LPLRSSLP
5685	36053	A	5731	114	329	
5686	36054	C	5732	1	1983	
5687	36055	C	5733	1	588	
5688	36056	A	5734	1	597	
5689	36057	A	5735	1	721	MTSYNEQNKKPVTDPNEMAIH EDSNQEFKIAVVNETQSRSSP TEHLMTPPLPTREQPPLT VIF HYLPKSYKTAPPLSPFDSLFGL SQPAPRDMDEAGNHHSQQT/K QEOKTKHCMFSLTSGS*TMRT GHREGTVIHRGLLGQFSQQLN KSEFNTVCREKSGRVLQVNM ESPL*MIQDALQDQTPPKGPITV FL*LFYLDHLLRSSHKVASYLST ESRSRGSITVLFIRCSEP
5690	36058	A	5736	417	696	DRNRKANTACFQHSQVGEQ* EHMDTGKV*SI*YGNYEHTSTC ERMEIQKATTEHLNL*S*SGSFL RFTWKMLQFSKISR SFYQVLKH QQKIM
5691	36059	A	5737	325	1489	RSPTLLMHVHYIKVISWRELLLI WLRANASINPGVEQSPSGDPK TVTGFPLRLLEADWVEEASVP KGVHIALSSQEQRAGDPRDLEA PSNLVISERTHRFRVSWTPPSD SVDRYKVEYYPVSGGKRQEVV RTPGVPLRLPAPIQAAWLI.A HLPAPSA PPTLPTKHTEAQSQ RCWSLLCSVTEVAAPSQVVK EAPPSFHTGTENGYQGEESLFN KAYYGGGTNFFRKESQKLQQS AKKRDAELANGALGIELNNDY TLKKVMKPLITSNTVTDEIERA NVFKMNGKWYLF TDSRGSKM TIDENKIPRNPTYKGREGPLQGE LQTTAQGNKRGYKQMEEHSM LMDRKNQYRENGLTAAQAPQPP PSGI*GYTAPCFPWENLI
5692	36060	B	5738	1	873	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5693	36061	A	5739	274	716	QACYIYTTEYYAAIKNDEF/TVL CRDMDEAGNHHSQQTVTRTKN QTPHVLTHRWELNNENTWTQE GEHHTPGPVMLDSAPPTLGHQT PGSSAFGLWDLHQRLRLPRPQT KGSTVGFPGSEAFKLGLGHYW LSFFPSLQTAYRGTLPFNH
5694	36062	B	5740	134	2283	
5695	36063	A	5741	3	872	
5696	36064	A	5742	1	480	SKLNSGDGCSWGARRGSAHSR SPLPSPLRPRAKMA TEGLHENE TLASLKSEAESLKKGLEERAK LHDVELHQVAERV/VGPGAVC HEDQKDPQRPREQSPVHGLVQ R*EEDRELVTGWEGDRVGLH HKQGARGHHALHVGDMCLC PIGMCHCLWWFG
5697	36065	A	5743	3	387	AKMATEGLHENETLASLKSEA ESLKKGLEERAKLHDVELHQ VAERV/VGPGAVCHEDQKDPQ RPREQSPVHGLVQR*EEDREL VTGWEGDRVGLHHKQDPDSER RWHMCPVGRGERAAAAELPRT
5698	36066	A	5744	1	1575	
5699	36067	A	5745	20	510	
5700	36068	A	5746	1	1392	
5701	36069	A	5747	1	1560	
5702	36070	A	5748	3	325	
5703	36071	C	5749	206	409	
5704	36072	A	5750	1	855	
5705	36073	C	5751	233	571	
5706	36074	A	5752	1	3600	
5707	36075	A	5753	1	4137	
5708	36076	A	5754	3	1357	
5709	36077	A	5755	3	194	
5710	36078	A	5756	3	269	
5711	36079	A	5757	1	1770	
5712	36080	A	5758	164	411	RKNRKPNATAFLTHKWELNNEN TWTQGGNITHQG/CWGVQG*R RDSIRRN1*CKCRVPGCSKPPW HVVYTYTNLHILHMPRT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5713	36081	A	5759	1	3095	MKMADAKQKRNEQLKRWIGS ETDLEPPVVKRQKTKVKFDDG AVFLAACSSGDTDEVLLKLLHR GADINYNVDGLTALHQACID DNVDMVKFLVENGANINQPDN EGWIPLHAAAACGYLDIAEFLIG QGAHVGA VNSEGDTPLDIAEEE AMEELLQNEVNRQGV DIEAAR KEEERIMLRDARQWLN SGHIN DVRHAKSGGTALHVA AKGY TEVLLKLLIQAGYDVNIKDYDG WTP L HAAA HWGKEEACRILVD
5714	36082	A	5760	1	591	FTVTRCYAVAQEGTYFDGSGY AALVKEGYKVQSDVNITLEVS NIPRRNGVFLGISTAIVHAI GLEL VDGKVL FHVNNGAGRITAA YE PKTATVLC DGK WHTLQANKSK HRITLIVDGN AVGAESPTQSTS VDTNNPIYVGGYPAGVKQKCL RSQTSFRGCLRK LALIKSPQVQS FDFSRAFELHGVFLHSCPGTES
5715	36083	A	5761	340	739	
5716	36084	A	5762	1234	1897	
5717	36085	A	5763	1	4070	VTPRAAWLGLGFRGSAVLGLC WQPRSPPSRAAGMMNRTPDQ ELVPASEPVWERPWSVEEIRRS SQSWSLAADAGLLQLQEFSSQQ TISRTHEIKKQVDGLIRETKATD CRLHN VFNDFLMLSN TQFIENR VYDEEVEEPVLKAEAEKTEQE KTREQKEVDLIPKVQEAVNYG LQVLDSAFEQLDIKAGNSDSEE DDANGRVEILILEPKDLYIDRPLP YLIGSKLFMEQEDVGLGELSSE EGSVGSDRGSIVDTE
5718	36086	A	5764	1	972	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5719	36087	A	5765	1	2193	MVPYSLLVTWLQKALGVRQY HVASVLCQRAK VAMRPFEPKY IHYYDLLEKNINIVCK*LNRLTL SEKIVYRHPDDPTSQEIERGGTY LQQWPDSVTMQD/ATAQMAM LQFISSRL/SKVTMPSTIHC DHLI EAQLGSEKDLHQAKDINHEVY NFLATGSVKYGLSFWKPGSGII HQHILENYEYPGVLLIGTDSHTP NGGSLGGICIGVGA/DAVDVM TGIPWELKCKPVIGVKLMGSL GWTSPKDVILK VAGILTMKGG TGAIVEYHGPVVD SICTGMVT VCNMGLEIGTTSVFHYNLRM KKYMSKTCQADIANLADEFKD HLVPDPGCHYDQLIEVNPSELK LHNGPFTPDLAHPVAEVGKVA EKEEWPLDI*VGLWG SGTNSSY EDMGCSAGVAKQALAHGLKC KSQFTITPCSEQIRASIEQDGYA QTLRDVGGIVLANACGPCIGQL HRKDINKQEKNIIVTSYNRNF GHNDTNPETHAFITSPETVTA AIVGTLKFPNETNYLTGKD GKK FKLEAPDADELQA EFGPGQDT YQHP*PWGTTD HISAAGP*LKFR GHLDTISNNLLSGAINIENGKAN SVHDAVTHEFGFPD TARYKK YGISWVVID*NYGKGSSWEH AALEPHRLGGRAITKSFARIHE TNLRRQGLLPLTFADPADNKIH LVDKLTIQSLKDLT/PGKPLKYI
5720	36088	B	5766	3	1205	
5721	36089	A	5767	435	1428	
5722	36090	A	5768	1	615	
5723	36091	A	5769	79	381	DKPOPHLQHTRTSKRLNRSSQA FLQNLPLQELATSAGNLAIRP NACSLGFLVSRVPSLAATPRAP WNSGPRLSD*LLPRSSRLSS*RL TLPDRLGSPVDH
5724	36092	A	5770	38	452	
5725	36093	A	5771	435	524	
5726	36094	A	5772	284	411	
5727	36095	A	5773	1	354	
5728	36096	B	5774	1	942	
5729	36097	A	5775	1	417	
5730	36098	A	5776	88	279	EDLGRSQSESLGPEFG*VVAIE TIWPTPKIFTICLSGSHSQSPW NSGPRLSD*LLPRSSQLSS*RLT LPNRLRSLQDHHRCR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5731	36099	A	5777	206	816	FIDSMSPSRVQ*LSSQNWKKL L*ISYGTKNPEA*PKQS*AQRTK LEASH*LTSNCTTSLH*SKQHGT GTKTEKT*AIPFT*AWAKTS* LKHHQKWQQKPK*TKKIKYLG IQLTTDVKDLFKENYKPLLNEI KEDTNKWNIPCSWIGGINIMK MAILPKVIYRFNALPIKIPMTFF TELEKTTLNFIWNQKRARIATL LSTKNKAGGITLADFKLYYKPT LVKTAWYWYQNREENLGNTIQ DIGMGKNFMTKTPKAMATKA KIDKRDLIKPKSFCIAKETTRM NRQPTWEWELFAIYPSDKALIS GIYKDLKQIYKKNNPIKKWA KEMNRHFSKEDIYAANRHVKKN AHHHWSSEKCKSKPQ
5732	36100	A	5778	502	600	
5733	36101	A	5779	51	452	ADKQLQQLRIQNQCTKITSILI HQQTNRPNHE*TIHNCFK NKIPRNPTYKGCEGLQGE TAQGNKKGYQMEEHSMMLG RKNQYRENGHTAQELEKTKVH MEPKSPHRQVNPKEQSWR HHIT
5734	36102	A	5780	381	528	LPPPLPAGLC**DQQQNSNAPLI H*EKERPDDSYRIFLPRYHFHD DRI
5735	36103	A	5781	1	477	
5736	36104	A	5782	180	496	TPIHNCYKENKIPGNPTYKGCE GPLQGEQTAAQ*NRGQKQM EEHSMMLMDRKNKYHEN/EPYSP R*FIDSMSPSNYQ*LSSQNWK KLL*GPYGTCKEPT*PRQS
5737	36105	A	5783	1	533	MGPEICTDKLSDADVTVLEV LARAIRQEKEIKGIQLGKEEVKL SLFADDMIVYLENPIVSAQNLL KLISNFSKVSQYKINVQKSQAF LYTNNRQTESQIMSELPFTIASK RIKYLGIQLTRDVKDLFKENYK PLLKEIEHSIKWKNIPSSWVG RISIMKTAIPLKVYIRIKDDEWN IYRRYTEFRSLHHKLQNKYPQV RAYNFPPKKAIGNKEAVLCHG R*HDCISRKPHRLSPKSP*ADKQ LQQLRIQNQCAKITSILYQ*QT NREPHE*TIHNCFKENKIPRN PTYKGCEGLQGEQTAAQGN KRGTFHQMEHSILMGRKNQY HENGHTAQGLHPDKRR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
5738	36106	A	5784	599	870	TPANQQHYRRMTLQLKENQTN RKRRQKQHQKRPKNPIQRS ATSKIKGDGSIQ*MLPWGQSP QKALTLATAPEQRKDTPPVRGL SLQD
5739	36107	C	5785	1	1170	
5740	36108	A	5786	317	960	KWPYCPQRQFIDSMSPSSYQRL SSQNWKLL*SSYGTKKEPTSP SQS*AKRTKLEASRYLTSNYTT RLQ*PKQHGTTKTEI*INGTQQ SPQK*/OPHVYNYLIFNKPEKKK QWKGDSLNFKNWDMDEVGNHH SQQTITRTGNQTPHVFTHRWEL NNEITWTQGAGHHTPGPVVGL GAGRGIALREIPNANDELMVQQ TNMAHIYLCIKPARCADVP
5741	36109	A	5787	903	1050	LPPPLPAGLC**DQQQNSNAPLI H*EKERPDDSYRIFLPRYHFHD DRI
5742	36110	A	5788	281	491	SFGYIPNSNGMAGSNGISSRSLR NRRTDFHNG*TSLSHQQCKSV PISPHPLQHLLFPDFLMAIALTGV R
5743	36111	A	5789	1	381	
5744	36112	A	5790	1	3231	
5745	36113	A	5791	1312	1463	KGSATCSPQANATTTTALQML GGIPWGNACGIFTRPPPTYLN THLSTR*RPLLLLLKCVR*KGSA TCSPPQANATTTTALQMLGGIP WGNACGIFTRPPPTYLNTHTLS TR
5746	36114	A	5792	811	1065	IS*VSFMSITH**WKKKEQQLLG CWL*A*M*SMLICV*RER*THKL E*LIIICI*RMKKILEIQKGMFKL LPY*TKRIMLK/TLNRQLNSTVS SLHSRVDSLEKSNTKLIIEELAIA KNNIIKLQEENHQLRSENKLIIL MKTQQHLEVTKVDVETELQTY KHSRQGLDEMYNEARRQLRDE SQLRQDVENELAVQVSMKHEI ELAMKLEKDIHEKQDTLIGLR QQLEEVKAINIEMYQKLQGSSE GLKEKKEIIVRLYWSALCG
5747	36115	A	5793	1	1353	
5748	36116	A	5794	78	503	TKELLHSKRNYHQSEQATYRM GENFCNLLI*QRANIQNLQ*TQT NLQEKKNQPHQKVGEGYQQTL LKRRHLCSQKTHEKMLITGHQ GNTNQNHNEIPSHTS*NGDH*K VRKKQGHG*SWKPSFSANYRK DKKPNSTCSHSQ

SEQ ID NO:	SEQ ID NO: in peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5749	36117	A	5795	2	200	YGLMIRTIPVDPTRITTSVSLTV RLATMNP RSRPAPVDLTAPGPP HLHKNQKSSQHSQYLDLTSYC
5750	36118	A	5796	76	195	
5751	36119	A	5797	1	2445	
5752	36120	A	5798	207	475	TNLQEKKNQPHQKVGKGYEQT LLKRKHSCSQQTYEKMLITGH QRNANQNHNDIPSHSS*NNDH* KDRKQQMLERM*RNRNAFTLL VGV
5753	36121	B	5799	1	681	
5754	36122	A	5800	1	798	
5755	36123	C	5801	78	245	
5756	36124	A	5802	16	491	EPYPDRPREPKRDPESWSGLW DKGGLVLSLGRTRTEAHTALS RLRASMWIDRSTRASVHFTLY NPPTQLFTSVSLRVEILPTGSLV PSSLVESFSIFRSDALQYHMLML PQLVFLALSLIHLVCVQLYRMMD KGVLSYWRKPRNWLEVASLVS FSFEK
5757	36125	A	5803	3	2791	
5758	36126	A	5804	219	392	
5759	36127	A	5805	1	1044	
5760	36128	A	5806	1	360	
5761	36129	A	5807	1	528	
5762	36130	A	5808	127	360	
5763	36131	A	5809	1	421	GRRSRLAMRPLSMSYFDLSDV TTPESTKNLVESSMVNGGLTSQ TKENGLSTSQQVPAQRKKLLR APTLAELDSSESEETLHKSTSS SSVSPSPFPEEPVLAEAVFTRKKP PKFLPISSTPQPERRQPPQRRHSI EKETP
5764	36132	A	5810	328	1086	
5765	36133	A	5811	1	2076	
5766	36134	A	5812	1	450	
5767	36135	A	5813	901	1506	
5768	36136	C	5814	17	106	
5769	36137	A	5815	24	330	ARDQPI/PKKGTVGEFEPADNK CLLRATDGKKKISTVVSSKEVN KFQMaySNLLRANMDGLKKR DKKNKTKTKTSSSSSSSSPA AATAATTAATTAATAAQ
5770	36138	A	5816	1	2247	
5771	36139	A	5817	1	339	
5772	36140	A	5818	3	463	
5773	36141	A	5819	3	83	
5774	36142	A	5820	1	642	
5775	36143	A	5821	2	583	
5776	36144	A	5822	193	409	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5777	36145	A	5823	3	425	
5778	36146	A	5824	1	450	
5779	36147	B	5825	82	2096	
5780	36148	B	5826	1	1554	
5781	36149	A	5827	129	522	LCTDNIETSKVHLHCSHHGAG LGTCSPLCLSLPPPWAPVQPEP PR*APPPAPQRPVPSTIQGRKRL QLHS*SQ*DH/DAHAKVCSFTPE PARPRTHQKEETPNTSEHQKKQ TPDTPPLRTVTLTARLHGF
5782	36150	A	5828	1	541	
5783	36151	A	5829	1	714	
5784	36152	A	5830	188	287	KELPSGGHYNCRAPSSPHAGS S*SGHQPNSSQ
5785	36153	A	5831	71	689	SPVLDCCPGPLPSEESW/EQPV TRQYPLRPEVHKGLQNVKHLK APGLVRKCSHCNTPIIGVQKP NGQWRLVQDLRLINEAVVPLY PVVNPNTLLSQTPEEAWEFWMV LDLKDFAFFCIPLHSDSQFLFAFE DPTDHTSQITWMVLPQGFDRDSP YLFQALAQDLGHFSSRGTLVL QYADLLFATSSASCQATLID LLNFLANQ
5786	36154	B	5832	45	1148	
5787	36155	C	5833	233	319	
5788	36156	C	5834	11	133	
5789	36157	A	5835	215	849	IKRLPLMKRMWL*LQPESEIA GILVQ*MIE*QPKKGTNSIPVSK PSPVVKQKPNQWQVQDLRLI SDAVIPLYPAVSNPYTLLSQILE EAEWFTVLDLKDAFFCPLRSD SQFLAFEDPTDHTSQTWTVF TQGFMDTPHLFGQSLAQDLGH FSSPGTLVLQYVDDLLAKQQA TLDLLNFLANQGYKLSKLKAQ LCELLVFSSCARMHS
5790	36158	A	5836	1	449	MNKLGISSYKFCGMGRKTSVS AAKSVSATIPISRVQGLLQVLG QEVFLLLCQDQEEQAKREKRD QRKATALAMALRQTNLGGSER IENGAGQSPSRACYQCGLQGHF KKDYPTR/EPAAPCPLC*GNHW KMHCPGRQSCDSHLAITHL
5791	36159	A	5837	1	723	
5792	36160	A	5838	186	602	
5793	36161	A	5839	1	843	
5794	36162	B	5840	1	1779	
5795	36163	A	5841	1	1182	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, =possible nucleotide insertion)
5796	36164	A	5842	23	302	LSQWKNRWTRTFLASLSVIANI LEPLLNILHVAVWLM.PN* [*] S* [*] V KKQVIM/FWNWWVLGLTDFKN EATDPRVCSWPCWLRSEAADL CGECYSS
5797	36165	B	5843	1	2622	
5798	36166	A	5844	279	1024	
5799	36167	A	5845	3	3619	
5800	36168	B	5846	1	1898	
5801	36169	A	5847	1	420	
5802	36170	A	5848	1	1632	
5803	36171	A	5849	1	597	KYLTKKTQAASVEAVKMLDEI LLQLSASVPVDMVMPGEFDPNTY TLPQQPLHPCMFPLATAYSTLQ LVNTNPYQATIDGVRFLGTSGQN VSDIFRYSSMEDHLEILE*LRVR HISPTAPDTLGCYPFYFCGNTPS FGSKIIRGPEDQTVLLVTVPDFS ATQTACL VNLRS/LACQPSISFG FGAEDDDLGGGLGWAPDSKKW
5804	36172	A	5850	1	1490	RDAARRALNLLGLEAVWTKQ VRSVAMFSEQAAQRAHTLLSP SANNATFARVPVATYTNSQPF RLGERSFSRQYAHYATRLIQM RPFLENRAQQHWGSGVGVKKL CELQPEEKCCVVGTLFKAMPL QPSILREVSEHNLLPQPPRSKY IHPDDEL VLEDELQRIKLKGTID VSKLVTGTVLAVFGSVRDDGK FLVEDYCFADLAPQKPAPPLDT DRFVLLVSGGLGGGGGESLLG TQLLVDTVGTQLGDEGEQCSA AHVSRVILAGNLLSHSTQSRDSI NKAKYLTCKTQAASVEAVKM LDEILLQLSASVPVDMVMPGEFD PTNYTLPQQPLHP/CMFPLATA YSTLQLVTNPYQATIDGVRFLG TSGQNVSDIFRYSSMEDHLEILE WTLRVRHISPTAPDTLGCYPFY KTDPFIFPECPHVYFCGNTPSFG SKIIRGPEDQTVLLVTVPDFSAT QTACL VNLRLSLACQPSISFGF AEDDDLGGGLGLGP
5805	36173	B	5851	13	441	
5806	36174	A	5852	3	279	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5807	36175	A	5853	23	841	EKAKEFRRAEEKKKEVPVAPET LKKK*RNFAELKIKRLRKKFA QKMLQRARRKFIHEKAKH\YH KEYRQMYRTEILMA\RMARKA GNFYVPAEPKLA\FVIRIRGINV SPKVRK\VLQLLRLRQIFNGNLL *SSTKASINMLRDCRSHILAWG VPQILKSVNELIYK\IRGYGKINK KRIA\LTDN\ALIASLGGKYGIL LAWEDLIHEIYTV\GK\RFKEAN NFPVGP\SNLSSPPRWK*KKKTT HFCKKVEDAGNREGRTSRNP YLEGMDLRCLP
5808	36176	C	5854	57	287	
5809	36177	A	5855	1	450	
5810	36178	A	5856	1	549	
5811	36179	A	5857	3	581	EQRKIPLVPENLLKKRKAYQAL KATQAKQALLAKKEQKKGG LRFKRLESFLHDSWRQKRDKV RLRRLEVKPHALELPDKHSLAF VVRIERIDGVSLLVQRTIARLRL KKJIFSGVFVKVTPQNLMRLIV EPYVTWGF\PNLKS\VELILKRG QA\KVKNKTIPLTDNTVIEEHLG ECYSLGVSWGRKPGSLKL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5812	36180	A	5858	1	2652	MFGRSRSWVGGGHGKTSRNIH SLDHLKYLHVLTKNNTTVTEQ NRNLLVETIRSITELIWGDQND SSVDFDFLEKNMFVFFLNILRQK SGRYVCVQLQLTLNLFENISHE TSLYYLLSNVYVNSIIVHKFDFS DEEIMAYYISFLKTLCLKNNH TVHFFYNEHTNDFALYTEAIKF FNHPESMVRIAVRTITLVYVKV DNQAMLHYIRDKTAVPYFSNL VWFIGSHVIELDDCVQTDDEHR NRGKLSDLVAEHLDDLHLNLD ILIINCEFLNDVLTJILLNRLFLP LYVYSLENQDKVFLIIHAPLV NSLAEVILNGDLEMYAKTEQD IQRSSVLPPTSSLWQGSLSLNQ LQSGHLKCSHLCGAQAADS VTGEIPAIRSLWELISAGSKART FFFLKMLIGFWEKVDCEYQRR QVLSTRLQEALPSNRLTDVAAV HSSCMLGFGSTAPRGSWIGDPA AVHLPLPGELAEHLGSGKGTTV TKHQPAKPSIRCFIKPTETLER SLEMNKHGKRRVQKRPNYK NVGEEDEEEKPTEDAQEDAE KAKGTEGGSGIKTSGESEIE MVIMERSKLSELAASTSVQEQN TTDEEKSAATCSESTQWSRPF LDMVYHALDSPDDYHALFVL CLLYAMSHNKENLLKKRKAYQ ALKATQAKQELLAKKEQKKGK GLRFKLLSFHDYVWQKPKD
5813	36181	A	5859	1	405	LEISIMAAISIGYTFSVACFHSA NSNADHEGFLJ.GEVRQEETFIS DSQISNTEFLQVIKVIWYRFR RNTQQQMSYREQVLHKQLTRI LGPVPLVFLFSFISTANNSTHA LEYVLFPRPNRRYNQRISLAIPN
5814	36182	B	5860	1	843	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
5815	36183	A	5861	3	1260	EISIMAAASISGYTFSAVCFHSAN SNADHEGFLLGVEVRQEETFSISD SQISNTEFLQVIQIYNHQPCKSL FSFYDYASKVNEESLDRILKDR RKKVIGWYRFRNTQQQMSYR EQVLHKQLTRILGVPLVFLLF SFISTANNSTHALEYVLFPRNRR YNQRISLAIPNLGNTSQQEYKV SSVPNTSQSYAKVIKEHGTDFD DKDGVMMKDIRAIYQVYNALQE KVQAVCADVEKSERVVECSQA EVNKLRRQITQRKNEKEQERRL QQAVLSRQMPSCSLDPAFSPRM PSSGFAAEGRSTLGDAEASDPP PPYSDFHPPNQESTLSHSRMER SVFMPRPQAVGSSNYASTSAGL KYPGSGADLPPQRAAGDSGE DSDDSDYENLIDPTEPSNSEYSH SKDSRPMAPHPDEDPRNTQTSQI
5816	36184	A	5862	1	742	
5817	36185	A	5863	1	3063	MSLEVDRSVETMCSGDEILLPD LPKADVADPLWGPFVQNCLS LARSDSREQGLVLMVESNRNE VVPVGVSYSKDGAKSLKGDVP ASEVTSKDSFQSFPSSAEEC GDDEKIKVDDPLTRTCNQASG SAPQQDYDKLKAFGGENSSTK GLSPSGNMEKNVVKREAEAN SINLSVYEPFKVRKAEDKLKEN SDNVLENRVLDGKLSSEKNDT CLPGTAPSKTKSSSKLSSCSSAI MALSAKKAASDSCKEPV
5818	36186	A	5864	2	626	LCQHNRKIKHGIRKVVYACSHCP DSRRTFTKRLMLEKHVQLMHS LKDPDLKE/TDRCHQ*GGNRNK RRH/LSSPVPVSGSWKNQFSR/CA MCGFTTENLLQFHEHIPQHKSD SSSYQCQECGLWYTSVLSLRH LFIVHKLKEPQPVSKQNGAGED NQQENKPSHEDESPNGTVSDRK CKVCVKTFETEAAALNTHMRIH GMAFIKSKRMSSAKK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5819	36187	A	5865	1	765	MQRDVYISHVRKEHGKQMKK QPCCCQRDKPFSSSHSLCWHNR1 KHKVIRKVYTCSHCSDSRGTFT KQLMLEKHVQLTHGIKDPDLK E/TDRRHQ*GGNRNRKRPQGPQ SQVEVERTGSGVQASQ\GAITQ PLKCLKINVKVHKCARA\GFT TENLLQFHEHIPQHKSDGSSSYQ CREHLFVVHKLKEPQPVSKQN GAGEDNQENKPSHEDESPNG AMSDRCKCKVCAKTFETEALN THMQTHGMAFIKSKRMSSDEK
5820	36188	A	5866	878	1095	AFFLDTLYTQFSRC*SRAVFVFA HPTAMACSSRR/LIRVQEQDAA QVTHQSFKDDL CVVLGDTLHH RFLLIFRH
5821	36189	A	5867	1	1137	
5822	36190	A	5868	1	1380	
5823	36191	A	5869	55	558	
5824	36192	A	5870	1	897	
5825	36193	A	5871	1	565	
5826	36194	B	5872	22	1696	
5827	36195	A	5873	295	522	
5828	36196	A	5874	3	3678	IPAPVSGRPPGLLAEGKLSGPR PMCRTRLGSHTAASAPARMWL FHTLLCIASLALLA AFNV DVAR PWLTPKGGAPFVLSLLHQDPS TNQTWLLVTSPTKRTPGPLHR CSLVQDEILCHPVEHVPIPKGRH RGVTVVRSHHGVLICIQVLVRR PHLSSELGTGCSLLGPDLRPQA QANFFDLENLLDPDARVDTGD CYSNKEGGEDDVNTARQRA LEKEEEEDKEEEDEEEEEEAGT EIAHLDGSGSID
5829	36197	A	5875	1	3189	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in US5N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5830	36198	A	5876	1119	2463	LRAGGPGQGGKGAHPGRRVD ELLJGHPTAVGCAGTDCPTPT PGGLWV*GVQEESDLPTAVDS SRPDIRDQAWASVHWELVYVHG SSFINT*GERGAGY/AVITW/STV VEARSMPPQGTSAQKAELIAFIR ALELSEALAKTVRQRCVSCRQ HHARQGPVAVPGIQAAYGAAPFE DLQVDFTEMPKCGDIRKIVTGD VNTPAILGVVSSPPSHIGNNITE DPELQPILAGLSMYLVTVLR NLLIILAVSSDPHLHTPMCFFLS NLCWADIGFTLATVPKMIVDM QSHTRVISYEGCLTRISFLVLFA CIEDMLLTVMAYDCFVAICRPL HYPVIVNPHLCVFFLLVYFFLSL LDSQLHSWTVLQFTIKNVEISN FVCDPSSLKLACDSVINSIFM YFHSTMFGLPISGILLSYKIVP SILRISSSDGKYKAFSTCGSHLA
5831	36199	B	5877	1	1830	
5832	36200	C	5878	109	245	
5833	36201	B	5879	1	801	
5834	36202	B	5880	171	288	
5835	36203	B	5881	49	502	
5836	36204	B	5882	1	639	
5837	36205	A	5883	1	821	MSGQFDFLLWTPEDNSDESD AEGEHGDGAEEEEAPPVPRPGP KPAGLGRRPCPYEQAQGGDGP EEQWMSFCWDIPRKSAPRERI TLRRHLEDGCGKVSKKKAQICR QQKDPQEESPAQFYERLCEAYG MYTPFDPDSPENQRMIMHALV RQSAEDMRRLQKQAGLAGM NPSQLLERASQVFVNRDAV/TP** GKQQREWRERG*YDSQYRRGG TQPCDIVPNIRRRER*YHSQYRR RARPPGPH*SERGALRPGSLPRQ AA*RVPSGPADGQ
5838	36206	A	5884	1	1860	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5839	36207	A	5885	2745	3732	IRIGKNYFKVHMEPKKSPHRQV NPKPKEQSWRHHTT*LQTLQG YSNQNSMPGTPQ*PSTPAPGG NLNRNPSSDLLQVTKQQGQAL AIQREAPLHRIPAPEAIPWYFQP QPA*TLQGSPPVDPSSAMM/SR RAHRSRGPDRQGYPLQGD*PGE PRPQEH*RGHSQERLPSSEKQTP ICPPAQATQHPEEPDAHQPYKH LFQVCAHQGHVPAQRRN*PGY WERYHSAEDPELQPILAGLSLS MYLVTVLRLNLLIS
5840	36208	B	5886	1	2379	
5841	36209	B	5887	1	6741	
5842	36210	B	5888	165	928	
5843	36211	A	5889	56	2028	
5844	36212	B	5890	1335	3804	
5845	36213	A	5891	365	1573	
5846	36214	A	5892	1	1491	
5847	36215	A	5893	25	458	
5848	36216	A	5894	1	1194	MGGNAADKFRAGVELALQSG NKVCVCSPRTTISGDAVAPRSV LPGCRHPIGEISQSHCWAGRS LSSRKRGSLFRMGFIKVVKNK AYFKRYQVKFRRRIRKGTDDY YARKRLVIQDKNKNTPKYR MIVRVNTNRDNIICQLYA/RRIE GDMIVCAAAYCTPNLPKIWV*RV GLTNYAAAYCTGLLLVARRLL NRFGMDKIYEGQVELTGDEYN VESIDGGQPGAFCTCYLDAGLAR TTTGKNKVFGEGLWMGGLS IPHSTKVRFGYDSEISKEFNAIE VTSGKHIMGPCKCLQNYMRYL MEVEDIEDAYKKQFSQYIKNS VTPDMMMEEMK/KAHAIRE ESSMEKKAQGGKFKKKRWNR PKMSLAQKKDRVAQKKASFL QSSRSGLLESLETPAIFP
5849	36217	A	5895	1	1191	
5850	36218	A	5896	21	159	PRSSVRPAGGFSSTCPPSWAAS RSCCTSHGCGHQ*CAGTGTQTR L
5851	36219	A	5897	1	1062	
5852	36220	A	5898	1	246	
5853	36221	A	5899	1	642	
5854	36222	A	5900	2	648	
5855	36223	A	5901	1	555	
5856	36224	B	5902	151	513	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5857	36225	A	5903	1	2915	VSLAFCQPLSLSLSPLLPLASSL APERTHLPGGSLLLSPSPFAR PREPRGCVTAAPPDKMDTAE DICRVCSEGTPEKPLYHPCVC TGSIKFIHQECLVQWLKHSRKE YCELCCKHRFAFTPIYSPDMP SRL PIQDIFAGLVTSIGTAIRYWFHY TLVAFARWEVVLACRIYKCL FLGSVSSLLTLPLDMLSRKNLL ADCLQGC FVVVTCTLCAFISLV WLREQIVHGGAPIWLEHAAPPF NAAGHHQNEA
5858	36226	A	5904	3	907	
5859	36227	B	5905	102	406	
5860	36228	B	5906	1	5241	
5861	36229	A	5907	1	519	
5862	36230	A	5908	1	3067	TRDAAMAEAALEAVRSELREF PAAARELCVPLAVPYLDKPPPT LHFYRDWVCPNRPCHRNALQH WPALQKWSLPYFRATVGS TEV SVAVTPDGYADAVRGDRFMM PAERRLPLSFVLDVLEGRAQHP GVLYVQKQCSNLPSELQLLPD LESHVPWASEALGKMPDAVNF WLGEAAAVTSLHKDHYENLYC VVSGEKHFHPPSDRPFIPYEL YTPATYQLTEEGTFKVVDEEA MEKAEVSRCTLLTVRVLQA
5863	36231	A	5909	1	429	
5864	36232	A	5910	1	690	
5865	36233	A	5911	1	376	
5866	36234	A	5912	1	471	
5867	36235	A	5913	1	606	
5868	36236	A	5914	3	2756	SPGGRTPAARDSIVREVIQNSKE VLSLLQEKNPAPFKPLAIQAG DDNLMQEQINQNLAEEAGLNITH ICLPDSSEAEIIDEILKINEDTRV HGLALQISENLFNKNVNLAKP EKDVGVDINLGLKVRGDAH ECFVSPVAKAVIELLEKSGVNL DGKKILVVGAGHSLEAALQCLF QRKGSMTMSIQWKTRQLQSKL HEADIVVLGSPKPEEIPLTWQP GTTVLNCSHDFLSGKVGCGSPR IHFGGLIEED
5869	36237	A	5915	3	404	RLKEKKLVKEVIAVSCGPAQCQ ETIR TALAMGADRGHVEVPPA EAERLGPLQVARV/AVVTADLR LNEPCYATLPNIMKAKKKKIEV IKPGDLGVDLTSKLSVISVEDPP QRTAGVKVETTEDLVAKLKEIG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5870	36238	A	5916	1	334	
5871	36239	A	5917	88	870	MADVRLVAVKRVIDYAVKIR VKPDRTGVVTDGVKHSMPFC EIAVEEAVRLKEKKLVKEIVV SCGPAQCQETIRTAI\MGAD RGIHVE\VPPEAERF/GVPLQV ARVLGQAWQRRRLDLVLLGK QAM\ACTDCNQ\TGQMTAGFLD WPQGTFA\SQVTLEGDKLKVER EIDGGLET\RLKLP\AVVTADLR LNEPRYA\TLP\NIMKAKKKKIE VIKPGDLGVDLTSKLSVISVEDP PQRTAGVKVETEDLVAKLKEI
5872	36240	A	5918	1	774	
5873	36241	A	5919	1	1557	
5874	36242	A	5920	1	759	
5875	36243	A	5921	305	638	
5876	36244	A	5922	364	540	
5877	36245	A	5923	9	111	
5878	36246	A	5924	1	594	
5879	36247	A	5925	169	594	
5880	36248	A	5926	37	936	
5881	36249	B	5927	91	2043	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
5882	36250	A	5928	1	2298	MSRKGPRAEVCADCSAPDPGW ASISRGVLVCDECCSVHRLGR HISIVKHLRHSAWPTLLQMVH TLASNGANSIWEHSLDDPAQVQ SGRRKANPQDKVHPIKSEFIRA KYQMLAFVHKLSCRDADDGVT AKDL\$KAN*HSSVRITGKPKW TCLRLLSVLGAQANFFHPEKGT TPLHVAAKAGQTLQAEELVVY GADPGSPDVNGRTPIDYARQA GHHELAERLVEQYELTERLA FYLCGRKPDHKNHGYIIPQMAD SLDSELAKAAKKKLQALSRL FEELAMDVYDEVDRRENDAY WLATQNHSTLVTERSAPFLPV NPEYSATRNQGRQKLARFNAR EFATLIIDILSEAKRRQGGKSLSS PTDNLELSLR\$QSDLDDQHDYD SVASDEDTDQEPLRSTGATRSN RARSMDSSDLDGAVTLQEYL ELKKALATSEAKVQQLMKVNS SLSDLELRLQREIHKLQAEENLQ LRQPPGPVPTPLPSERAETHPM APGGSTHRRDRQAFSMYEPGS ALKPFGGPPGDELTTTLQPFHS TELEDDAIYSVHVPAGLYRIRK GVSASAVPFTSSPLLSCSQEGS RHTSKLSRHGSGADSDYENTQS GDPLLGLEGKRFELGKEEDFH PELESLDGDLDPGLPSTEDVILK TEQVTKNIQELLRAAQEFKHDS FVPCSEKIHLAVTEMASLFPKRP
5883	36251	A	5929	1	924	
5884	36252	A	5930	214	387	RRAFHPTPVTSARSTLHSGQL RLPHSM*SGGTLISMMAQNS LSLEFSKWT\$FPLD
5885	36253	A	5931	1	1639	
5886	36254	A	5932	1	1098	
5887	36255	A	5933	1	546	NSSQVLQF*YLVVNEAPFRLLT MPQYPQINITADQLWGSVAVL V*MH\$NGLPGLCI*AWKTTSG GEQYPSSAIKQGPKEPYADFLA RLQESLKKVIADLAAQDIVLWL LAFDNANPECQAALRPGRKAH LVYD\$TKVCDGIRDKLHKATLL AQAMAGLRMGKGNT\$PFGACF NCGKHGH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
5888	36256	A	5934	1	648	MGQVWGLVHFTLEV FHTGD EEE EQEYSEVTFDVTEHVYLP KVAKEEEAGIQQARQEGDLEA WQFPVRIHPPDQENITATFEPF PFLLKELKQAINQYGPSPFV MGLLKNVTYSSQMIPDGDPLT RACLTQAQFLQFKTWWADEAS IQAARNAWAQFQINITADQLLG VGGWAGLDAQFVMQDDAIEQ LRGVCIAREKVI*CGEQYPSF
5889	36257	A	5935	120	254	
5890	36258	C	5936	366	479	
5891	36259	A	5937	1	933	
5892	36260	A	5938	1	840	MGKVWGLVIHSTLEL FHTDVEE EGEYNEVTEEVTKHVYLP KAAKEGEVHPYHSAPPHYFFE ENDPPDLSFLEDGTGRLAAAA TTKANA/KQPLLLSPSMHR/PLP TRPLLAGIATALPQGV*PLIAP PTRPHLEHCSTQ*RPQAPTLGE ITPVTVPQAPLHPRAVQPW/HST PTRSWLQAVMPGIAPSRSPPW AVQLRLTYLGCLSTTPAAVQS LSQPPASVRQARVPQAPASSLC QEKPPSPPPVAPHGAAAAARPP SYHSSCASVAVVAANVLIG
5893	36261	A	5939	1	134	MGQVW*KSQSPKA*EPGVSCP RAGRREASVPRWYSS
5894	36262	A	5940	1	1158	
5895	36263	A	5941	1	673	MGIALGSPPTTGPKAMKQNL SIG PAGILLPQPMTPGPCAAAPPV APRCGYVLS EDAWGNLQGLCT GLSCGQPVAPWATDSGGAQDP VALLPPFSPRGLLGPSCMQRSQ VVKGGRQSEISSQNKKVIADLA AQDIVLQLLAFDNPANPDCQAA LRPIRGKAHLVDFIKACDVIGGI PNLLHPRGLRAITIAVFGKQIR TSGSNPLRSTFLSRSRISKNCSEA EV
5896	36264	A	5942	1	1182	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5897	36265	A	5943	1056	2128	TQPPTWGQIKKLSQMVEENLR KAGQLVTMNNLMVAMIVVITT TEEQEYSEVTEEVTEQVYLP AKVAKEGEVHPYPSAPPHYF EKEWPDPDLSEFLEDRQKVVA PVTVRAAPRATVLSIQAGIQQ AR*EGDLEAWQFVRHPPDQ GNIIVTEFPFPLFKEFKQAVN QYGPSPFVVMGLLNVAVSSW MIPTDWDALTRACLTQAFLQF KTCAMKQGPPEPYVDFIARLQE SLKKMIADSAAEIVLQLLAFD NAHPDCQAALRPIRGKAHLVD YVKACDGIGEYTPSTYEKKVN CKTASCRSFRYPPEGIVITGDD SSMRVVVPEDLPVGGQDVEVED RDIDDPDPV
5898	36266	A	5944	1	300	
5899	36267	A	5945	1	373	
5900	36268	A	5946	1	2976	
5901	36269	A	5947	287	544	
5902	36270	A	5948	831	4555	
5903	36271	C	5949	108	434	
5904	36272	C	5950	145	402	
5905	36273	A	5951	3	1104	GSRPGGHTLQSHRGRHAQGLR SPLLA PVCLGCGTWGQRRLFW SLKI*RLLCWF/CRRLQINCKNK PAIPRGPT/GPSEKSGLLLDQDG DTTNTTEENSLENIFGRVIKE NFQSLVRDLDIQYKKHKEHPG NSSQKDHHLGTLSSGYPKLRQR KES*ELSDRSTRKISQS/YNLYTP NTGAPRFIKQLLTDLRNEIDSNT IIVGYSTPLTALDRSSRQKVND ETVDLNYTLEQMDLTIYRTFH PTTTEYTFYSTVHGTFSKIDHMI CHKMSLNEFKKTEIISSTLSDHS GKLEINSKMNQLQHANTWKL NNLLLNEHWVWNEIKMEIEKFF KLNDNSNDTTYQNLWDMAKAV LRGKFIALNTYIKKMM
5906	36274	B	5952	1	2367	
5907	36275	A	5953	21	132	WREGARQCQEDPAEFLSD*DW ADPGPPHNAPGQNVH
5908	36276	A	5954	1	1461	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
5909	36277	A	5955	31	802	SAWWNSRELLDPQSRSGGCF *EYPPTSGTEQESVSGNRALCSS LRMNGDQNSDVYAQEKQDFV QHFSQIVRVLTEDEMGHPEIGD AIARLKEVLEYNAIGGKYNRGL TVVVAFRELVEPRKQDADSLQ RAWTVGWCVLQLQAFLVAD DIMDSSLTRRGQICWYQKPGV GLDAINDANLLEACTYRLKLKY CREQPYLNLIELFLQSSYQIEI GADPGPPHSPPRAMWILSDSLK RGTNLLSSTRQLSTPSTFL
5910	36278	A	5956	1	532	RLNEAEQKYKDIQDKLQIIEET NARAPECMALKADVAKKRA YNEAEVLYNRSLEYKALKKD DEQLCKRIEELKKR/VL.TN/RLE PERLERQKKISWLKERVAFQ QENSVNQIEIQFQQALEKDKKE HGKIKREKLDVKHALSYNQL LKELKDSKTDRLKRFPGNPVPA LEAIDD
5911	36279	A	5957	121	475	
5912	36280	A	5958	131	2891	
5913	36281	A	5959	131	3101	
5914	36282	A	5960	44	292	CQDYRWLLASSVLCWLY*KTQ QSDTEDLLCSAPTGPPEEDD GKS*PEKCRQMT*KKWSINCKC FFASSHTTSLIGLFLR
5915	36283	B	5961	26	239	
5916	36284	A	5962	131	3121	LVSFLLFDALPEGDASPLGPY LLPSGAPERGSPGKEHPEERVV TAPSSSSQSAEVLGELVLDGTA PSAHHDIPALSPLLPEEARPKHA LPPKKLPSLKQVNSARKQLRP KATSAATVQRAGSQPASQGLD LLSSSTEKPGPPGDPPIVASE ASEVPLWLDRKESAVPTTPAPL QISPFTSQPYVAHTLPQRPEPGE PGPDMAQEAPQEDTSPMALMD KGENELTGSASEESQETTSTIIT TTVITTEQAP
5917	36285	A	5963	1	1185	
5918	36286	A	5964	495	636	PSVVLDDINVSFNHWSAIFLTME/ PFCHRVRSHAMESR*GSVLP*N KPQ
5919	36287	A	5965	2	376	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, \~possible nucleotide insertion)
5920	36288	A	5966	3	688	GTSAGDGCPPHPTVLWPPDIMP PKKDVPPKKPAGPSISKPAKAP AAAGAPPAKTKAEPAPVQAPQ KTQEPVVDLSKVVFIEFNKDQLE EFKEAFELFDRVGDGKILYSQC GDVMRALGQNPTNAEVLKVLG NPKSDEMNVKVLDFEHLPLML QTVAKNKDQGTGYEDYVEGLRV FDKEGNGTVMGAEIRHVLVTL GEKMTTEEVEMLVAGHEDSNG CINYEELVRMVLNG
5921	36289	A	5967	54	540	AVYMCDLTENQTADLIPSTVEF KEAFQLFDRTGDGKILYSQCQ DVMRALGQNPTNAEVLKVLGN PKSDEMNVKVLDFEHLPLMLQ TVAKNKDQGTGYEDYVEGLRVF DKEGNGTVMGAEIRHVLVTLG EKMTEEDVHMLVAGHEDSNG CINYEAFVRHILSG
5922	36290	A	5968	1	405	
5923	36291	A	5969	93	506	
5924	36292	B	5970	43	615	
5925	36293	A	5971	2	598	TRTSLHAALFSWDVPGTSLTEFI SHLEVKKGMLVGIVGKVCGCK SLLAAIAGELHRWEQVQCGL HTLH*APEQMLRGHVAVRGLS KGFLATQEPWQFATIRDNLIF GKTFDAQLYKEVLEACALNDD LSILPAGDQTEVGEKGVTLSSG QRARIALARAVYQEKELYLLD DPLAAVDADVANPPACTGCNP
5926	36294	B	5972	137	371	
5927	36295	A	5973	1	1398	
5928	36296	A	5974	1	915	
5929	36297	A	5975	40	564	
5930	36298	A	5976	62	280	
5931	36299	A	5977	17	744	
5932	36300	A	5978	1	537	
5933	36301	A	5979	242	576	AANSLYKGSNSAALIILVGP*IS CLTHPVYMK*AP*TIICLLYS VILKALFFPQNINIFLPVKSRRHS
5934	36302	A	5980	924	3473	
5935	36303	A	5981	1	604	
5936	36304	A	5982	288	732	RNCIANYDFLILPTSF*WCSEFFV LLFLFLSLSSSLKLHSDLDKGE GTAKYTLSGDGAGPVFTIDETT GDVHAIRSLDREKPFYTLRA QAVDIETRKPLEPESEFIIKVQ DIANDNEPKFWGWDLMVATGP QKWSVPV*VGQIKIL
5937	36305	A	5983	1	1510	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5938	36306	A	5984	1	603	
5939	36307	A	5985	250	505	GFSPTWQ*MNTHPSLMCFSPSR TTGSAAN*RGQKSGVPFWS* SHVKGKDQIPVICPCTTAPVT MESTCIC*PTHVCKTLMV
5940	36308	A	5986	3	131	RVLVDPDIRGAI*AVPKSPSIKSY ALPRALFLLPPYPDDLGI
5941	36309	A	5987	1	913	
5942	36310	A	5988	5	177	
5943	36311	A	5989	3	383	
5944	36312	A	5990	1	1323	
5945	36313	A	5991	342	594	
5946	36314	A	5992	1	321	
5947	36315	A	5993	3	601	
5948	36316	A	5994	1	1023	
5949	36317	A	5995	1	606	
5950	36318	A	5996	1	1536	
5951	36319	A	5997	2	1394	
5952	36320	A	5998	371	1045	
5953	36321	A	5999	3	360	
5954	36322	A	6000	1	636	
5955	36323	C	6001	1	861	
5956	36324	A	6002	1	711	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met cod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5957	36325	A	6003	18	2446	AGSPPRADAAAGLWERGHLLS AAVAAMGKRDRADRDKKKSR KRHYEDEDDEEDAPGNDPQE AVPSAAGKQVDESGTKVDEYG AKDYRLQMPLKDDHTSRPLWV APDGHIFLEAFSPVYKYAQDFL VAIAEPVCRPTHVHEYKLTAYS LYAAVSVGLQTSIDITEYLRKLS KTGVPDGMQFIKLCTVSYGKV KLVLKHNRVYVESCHPDVIQHL LQDPVIRECLRNSEGEATELIT ETFTSKSAISKTAESSGGPSTSR VTDPPQKSDIPMDLDFEYEQM DKDEEEEEETQTVSFEVKQEMI EELQKRCIHLEYPLLAEDFRN DSVNPMDINIDLKPTAVLRPYQE KSLRKMFNGRARGSVIVLPC GAGKSLVGVTAACTVRKRCLV LGNSAVSVQWKAQFKMWSTI DDSQICRFTSDAKDKPIGCSVAI STYSMLGHTTKRSWEAERVME WLKTQEWGLMILDEVHTIPAK MFRRLTVQAHCKLGLTATLV REDDKIVDLNFLIGPKLYEANW MELQNGYIAKVQCAEVWCP MSPEFYREYVAIKTKRILLYT MNPKNFRACQFLIKFHERRNDK IIVFADNVFALKEYAIRLNKPYI YGPTSQGERMQILQNFKNPKI NTIFISKVGDTSFDLPEANVLIQI SSHGGRRRQEAQRLGRVLRAK KGMVAEEYNAFFYSLVSQDQTQ
5958	36326	A	6004	1	933	
5959	36327	A	6005	1	879	
5960	36328	A	6006	1	727	
5961	36329	A	6007	1	1509	
5962	36330	A	6008	1	1698	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \=possible nucleotide insertion)
5963	36331	A	6009	2465	2751	VPTSSAPMPWPSRQWERSRT MTVISSSQLMALGP*RTAQVLA AAPA*LGASSAARGIDPQAGKT QKQETDIATMQLCANKLDKKDF FGKSDPFLVFYRSNEDGTFITICH KTEVVKNLTNPVWQFSPVRA LCNGDYDRTVKIDVYDWDNRD GSHDFIGFITSYRELSKAQNG FTVYEVLPNPRKKCKKKYVNS GTVTLSSFSVDSEFTFVDYIKGG TQLNFTVAIDFTASNGETRMSE KVGGNPLQPTSLHYMSPYQLS AYAMALKAVGEIIQDYDSDDL FPAYGFGAKLPPEGRISHQFPLN NNDEDPNACIEGVLESYFQSL RTVQLYGPITYFAPVINQVASLP
5964	36332	A	6010	1	1059	
5965	36333	A	6011	255	405	
5966	36334	A	6012	251	1199	
5967	36335	A	6013	1	1791	
5968	36336	A	6014	335	984	
5969	36337	A	6015	1	127	LPLRLSYEIVLYFTF*KPEHNKS HFLESHLRNTRSA LNTRK
5970	36338	A	6016	1	774	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
5971	36339	A	6017	186	2699	PRGAKPAVPAGPERPGPGPGPC SPRPMVLPTCPMAEFALPRHSA VMERLRRRIELCRRHHSTCEAR YEA VSPERLELERQHTFALHQR CIQAKAKRAGKHRQPPAATAP APAAPAPRLDAADGPEHGRPA THLHDTVKRNLDSATSPQNGD QQNGYGDLFPGHKKTRREAPL GVAISSNGLPPASPLGQSDKPSG ADALQSSGKHSGLDSLNNKKR LADSSLHLNGGSSNPSEFPLSLN KELKQEPVEDLPCMITGTVGSIS QSNLMPDLNLNEQEWKELIEEL NRSVPDEDMKDLFNEDFEEKK DPSSSGSATQTPLAQDINIKTEF SPA AFEQQLGSPQVRAGSAGQ TFLGPSSAPVSTDSPSLGGSQTL FHTSGQPRADNPSPLMPASAQ AQNAQRALAGVVLPSQGGGA SELSSAHQLQQAIAKQKREQML QNPQQA TPAPAGQMSTWQQT GPSHSSLDVPPYMEKPA SPSSY KQDFTNSKL/PHDA*CE*EFP SARRPLPPAQCEPAESPATE*LES ELRE/YTRGLCWIRQYKTPFSL QSGLWARQPGVWPEQASPDGL SSPAAVPYKSRAELPVSDEAKA RKYAFPTGSTWPGAEPFQCPC ASPGYQCWDPAACRVRGQLPQ QLPLSQQPA TGRCAEASVAFG PTETKGA AAKAFTATAVPSEAT APSRGTGEATVSPSPDPTTPVP
5972	36340	A	6018	1	1062	
5973	36341	A	6019	3	566	ASRPVPTLRLVVPASQCGSLIG KGGCKIKIESTGAQVQVAGD MLPNSTERAITIA GIPQSIIIECVK QICVVMLESPPKGVITPYRKP SSPVIIFAGGQAYTIQQQYAI PQPD LTKLHQLVAMQQC/HFPMTHG /NTGFQWALESS/FPFV/KGYW AGLDASAQTTSHELTIPNDLIGC IIGRQGA KIN
5974	36342	A	6020	2	531	TLRSSWQVVRTGTAQAATVRG FPPHPPRP/SASTLTLEGPPLEAY TIQQQYAI PQPDLTKLHQLVAM QQSHFPMH/GDGIHSDYSAG/LD ASA/QTTSHIELTISKRI LIGLA* SGRSRAPKINGGSRQMSGAQIKI ANPVVEGSTD*GRFTITGSAASIS LAQYLINVRLSSETGGMGSS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 9,540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
5975	36343	A	6021	181	1369	PLKVVQLPRTLDMDTGVIEGGL NVTLTIRLLMHGKEVGSIIIGKK GESVKKMREESGARINISEGNC PERIITLAGTH*LPSFKAFAMII DKLGRRDISSMVTNSTAAQLGP PVTLLKGLAPAS/QCGSLIGKGG CKIKEIRESTGAQVQVAGDMLP NSTEAGHHYLLGIPQSIIECVK QILRGSCWETLFPSSPPKGVTPA YRPK/PSSSPVIFVAGPGQVPA QAATVRAFFTTPRPGSTLTWE GPPLEAYTIQQQYAIQPDALT L/HQLAMQQSHFPMTHGNTGF SGIESSFPEVKGYWAGLDAS AQTTSHELTPNGFDWAGIIGA FKGAKINIEIRQMSGAQIKIANP VEGSTDRQVTITGSAASISLAQ YLINVRLSSETGGMGN
5976	36344	A	6022	1	690	
5977	36345	A	6023	1	399	
5978	36346	A	6024	3	397	
5979	36347	A	6025	3	249	
5980	36348	A	6026	177	477	
5981	36349	A	6027	49	451	
5982	36350	A	6028	1	1305	
5983	36351	A	6029	1	568	
5984	36352	A	6030	207	1053	PLTFGPARWRETPPSLYKEFSG LFGSFFLSSAWGAHNLRALFLL LPSSRIQPTPWVFGDLKSPAGL QVLNDYLADKSYIEGYVPSQA\ DVAVFEAVSSPPADLCHALR WYNHIKSYEKIEKASLPGVKKA LGKYGPADEVDTTSGGATDSK DDDDIDLFGSDDEEIESEKPKRL REERLAQYESKKAKKPG/LVA KSSILLVKP/WDIDETDMAKLE ECVRSIQADGLVWGSSKLVPV GYGIKKLQIQCVVEDDKVGTD MLEEQITAFEDYVQSMDDVAFF
5985	36353	A	6031	1	211	
5986	36354	A	6032	27	241	EVFGSWWQVPHWEHLGSLV MSEFLFH*LM*ELVLKR*CLS HLSLAPFLAM*YACSSSPSTMI VSFFFF
5987	36355	A	6033	1	588	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
5988	36356	A	6034	279	1333	LIFCGCWLFLASLTVMEEAAHFFE GTEKLLLEVWFSRQQPDANQGS GDLRTIPRSEWDILLKDVQCSII SVTKTDKQEAAYLSESSMFVSK RRFILKTCGTLLLLKALVPLKLI ARDYSGFDSIQSFYSRKNFMK PSHQGYPHRNQEEIEFLNAIFP NGAGYCMGRMNSDCWYLYTL DFPEERVISQPDQTEILMSELD PAVMDQF*HEDGVTAKDVTRE SGIRDLPGSVIDATMFNPGYS \MNGMKS\DGTYWT\IHITPEPEF SYVSFETNLQTSYDDLIRKVV EVFKPGKFVTTLFVNQSSKCR RLGLPQK\IEGFKRLDCQEGWF KDSNFFVTSFAKKQQQQQS
5989	36357	A	6035	1	687	
5990	36358	A	6036	1	894	
5991	36359	B	6037	1	1458	
5992	36360	A	6038	1	1062	
5993	36361	A	6039	1	1218	
5994	36362	A	6040	277	3508	RSGRIAWAQEMDAAGRCHLL PLPAARGPARAPAAAAAAS PPGPCSGAACAPSAAGAGAM NPSSSAGEEKATGGSSSSGSG AGSCCLGAEAGDPRGAGSAA AAGAAALDEPAAGQKEKDEA LEEKLRNLTFRKQVSYRKAISR AGLQHLAPAHPLSLPVANGPA KEPRATLDWSENAVNGEHLWL ETNVSGDLCYLGEENCQVRFA KSALRRKCAVCKIVVHTTACIE ELEKINFRCKPTTFREGIS
5995	36363	A	6041	45	155	
5996	36364	A	6042	1	979	
5997	36365	A	6043	3	1042	
5998	36366	A	6044	2	401	
5999	36367	A	6045	1	5772	
6000	36368	A	6046	16	5678	VTSGRLLFYFRSMGPGCDLLLR TAATITAAIMSDTDSDEDSAG GGPFSLAGFLFGNINGAGQLEG ESVLDECKKHLAAGLGLGLG SLITELTANEELTGTGDGALVND EGWVRSTEDAVDYSINEVAE DESRRYQQTMGSLQPLCHSDY DEDDYDADCEIDCKLMPPPPP PPGPMKKDKDQDSITGEKVDFS SSSDSESEMPQEAQTAESEDG KLTLPLAGIMQHDAKLLPSVT ELFPFRPGKVLRLR
6001	36369	A	6047	1	354	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
6002	36370	A	6048	1	666	
6003	36371	A	6049	129	456	TYPAVGESSRRPERSRGVPGPD AAAESHFRPGRI SNPLHRAEQ GHARAEGSGVFRPHRGRGLRL LRVQAPDQVDAPVHG*VAPPAP GARDAQTCSRSHCPRTPLDEV
6004	36372	A	6050	1	1095	
6005	36373	A	6051	171	619	
6006	36374	A	6052	1	621	
6007	36375	B	6053	1	181	
6008	36376	A	6054	1	905	
6009	36377	A	6055	1	855	
6010	36378	A	6056	2	244	
6011	36379	A	6057	3	829	LTDCLKDVLIPPFNRMILLEVT FGKLYAWTVQNILNVLMDASA KFKELGIQPVPLQTITSENPLGP SLGSIPQARFLLMMLSLTLQH SANNLDLLNSGTLALTQTALR LIVLPDVELLI*DHLL*MQTSIV* LPVLALLAQHRSFGPSCDNVE EDMNAsAQGASATVLEATRKE TAPVHLPVSGPELAATMKIGTR VMRGVDWKWDG/QEAEQTER NIHPPTMMFTSTINLLQTLCLPA RVHAEIMQSEATKTLGGLLQIL VESGITDKTRME
6012	36380	A	6058	133	5421	IFVFGCPGSPRLQMVENRYTES FFTGQNCNRNEKVTLVRIADLE NHNNDDGFWTVIDGKVYDIKD FQTQSLTENSILAQFAGEDPVV ALEAALQFEDTRESMHAFQV QYLEPDQEGVTIPDLGSLSSPLI DTERNLGLLLGLHASYLAMSTP LSPVEIECAKWWQSSIFSGGLQT SQIHRYNEEKDEDEHCSPPGT PASKSRLCSHRRALGDHSQAFL QAIADNNIQDHNKDFLCLQIER YCRQCHLTTPIMF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met had	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6013	36381	A	6059	1	2607	MMGHSSAIPLTATPGELKGQSP TKMPDPELGCQGAQSGCSR ARHQKARSMPLQDQHLALAIL LELAVQRGTLSQMLSAIILLQ LWDSRAQETDNERSAQGTSTL LLSLQTTFQSIICSKDTPPSEGN MHLISGPLSPSEFLRESFFTVQ NCRNNEEVTICKADLENHNK DGGFWIVIDEKVYDIKDFQTQS LTGNSILAQFAGENPVVALEAA FEFEVTRESMHAFVCGQYLEVR LYALSDAEDGRGVTL*WLQSSIF SG/GLQTSQIHYSYNEEKDEDH CS/SPVGTAPASKSR/CSHRWALG DHSQAFLLQAIADNNIQDHNVK HQQGRSYKEVCTPVIERLRF SNELRPVAGNDLSISEFKLLSSL PRWRIAQKIRERRKKRIPKKP ESTADEEKIGNEESDLEEACILP HSPINVDKRP/IAIKSPKTITSEN LGPSLGSIPQARFLLMMLSMILT LQHSANNLDLLNSGTALTLTQT ALRLIGPSCDNVEEDMNASAQ GVSAATVLEATRKETAPVHLPVS GPELAATMKIGTRVMRGVDW KWGDQDGPPLGRVIGELGE DGWIRVQWGTGSTNSYRMGK EGKYDLKLAELPAAQPSAEDS DTEDDASPNRLVYREQHRSW CMLGFVRSIALTPQVCGALSSP QWITLLMKVMKGHAPFAASL QRQRWVAVSLPHALVKSQTV
6014	36382	A	6060	1	7297	
6015	36383	A	6061	32	259	SLRVTPGGRNVSSEKKDRKKTG R/PPELERKSHTERLYLEEGSAE PA*VGRRAPESVNDRGGAIQRA QRGQAPPLPR
6016	36384	A	6062	3	437	
6017	36385	A	6063	1	425	MTELTPLWKPLKNSPMFRVIAR AFCVTFILVSTHQEMLTITSEN LGPSLGSIPQARFLLMMLSMILT LQHSANNLDLLNSGTALTLTQT ALRLIGGTPVELPAELAAPAFR AAAA/VDKNPRRRGQKVAVAK SGDGRGKKS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6018	36386	A	6064	2	14566	RRGGRALRVRPETWEEAGEKM PSEFCLAAQARLDSKWLKTDI QLAFTRDGLCLGNEMVKDG EIVYTGTESTQNGELPPRKDD VEPSGTTKEDLNDKEKKDEET PAPIYRAKSILDSWVWGKQPDV NELKECLSVLWKEQALAVQS ATTLTALRLKQRLVILERYFIA LNRTVFQENVKVWKKSSGISLP PVDKSSRPAGKGVGLARVG SRAALSFAFAFLRRWRSGEDA DLCSELLQESLDALRAL
6019	36387	B	6065	75	581	
6020	36388	A	6066	517	5495	ESFFTQGNCRNNEKVTVFRIAD LENHNNDGGFWTVIDGKYVDI KDFQTSQSLTENSILAQFAGEDP VVALEAALQFEDTRESMHAF VGQYLEPDQEGVTIPDLGSLSP LIDTERNLGLLGLHASYLAM TPLSPVEIECAKWLQSSIFSGGL QTSQIHYSYYEEKDEDHCSSPG GTPASKSRCLSHRRALGDHSQA FLQAIADNNIQDHNKDFLCQI ERYCQCHLTTPIMFPPEHPVEE VGRLLCLCLKH
6021	36389	A	6067	1	1851	
6022	36390	A	6068	53	423	YHLTLIHGTVSATRPGHCSP GKLPSSWVPSLQCTPSSPECRSV *RQL*HGHMHELLYIITKADSVI TASCLISRSEWWDGGTVSLV QRFDYGGSSCQQRPHRTGCASS SAPQRASSVAPG
6023	36391	A	6069	1	49	EWSGTRTWWRPWCRT*CRT
6024	36392	A	6070	1	726	
6025	36393	A	6071	368	485	
6026	36394	A	6073	1	414	
6027	36395	A	6074	3	535	RRREFFPAKERESASMSSPEE*P/ DMAKGA PPSQPPNSVPAD/CS RSVRLSSSNFEESLRTEDDEGQ EGQDSMSRAKANWLRANFKV RMQLQEARGEEMSKSLWFKG GPGGGLIIDSMPDIRKRKPIPLV SDLAMSLVQSRKAAITSALASS TLNNEELKNHYKKTLQALIYP ISC
6028	36396	A	6075	1	222	
6029	36397	A	6076	2	284	NGIPDFSNTLLRGLQMPGARG PCCGSQRHINLLMGTGVFLVK MKA/NEFFLDSETRLCIAPEG WREQPQKTSMTNTFTLFLRIKFF VSHYGLL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6030	36398	A	6077	91	749	
6031	36399	C	6078	1	380	
6032	36400	A	6079	1	877	MPPRDLAPALLVAVLVLLYLL VSAAAAPSSDSTPENVCVET TTNFIWELSSPHNTSAVLLVVF HKGPSPKFEVKLKKNANGLGFS FVQMEKFCSCSLKSDLVRKRL FPGHPAEENGAIAGDIILAVN GSPRKASSRCRGSWAMQLSV QAGPSFASYYPAAVEVLHLLRG APQEVTLLLCRPPPGALPELEQE WQQQKYKCAWAIVNEAEVEE VVEVAGTVEFFGDQGA*CHHP ACSGKPLGWHGGLSRKCPRLFF RGATRVGTGAQGLKEVKQQSFR SNMMWLGLRL
6033	36401	A	6080	1	1683	
6034	36402	B	6081	66	1214	
6035	36403	A	6082	1	5694	
6036	36404	A	6083	3	483	SSLTSSMEDPAAPGTGGPPANG NGNIGGGKKGQAAPKGREAFR SQRRESEGSVDCPTLEFEYGDA DGHAAESELYSYTENLEFTNN RRCFEEDFKTQVQKKEWLELE EDAQKAYIMGLLDRLLEVVSRE RRLKAARAVLYLAQGTFGCED SEVDVLHWSRY
6037	36405	A	6084	1	2646	
6038	36406	A	6085	115	1289	FSPLEPRLCSLGGWGALQAGEP CQPSRAGCGREGATMGCTLSA EERAALERSKAIEKNLKEDGIS AAKDVKLLLLGAGESGKSTIVK QMKIIHEDGFGSEDVQKYKPV VYVNTIQSLAAIVRAMDTLGIE YGDKERKADAKMVCDDVSRM EDTEPFAELLSAMMRLWGDS GIQECFNRSREYQLNDSAKYYL DSLDRIGAADYQPTQDILRTR VKTTIGIVETHFTFKNLHFLRLD VGGQSRERKKWIHCFEDVTAI FCVALSGYDQVLHEDETTNRM HESLMLFDSICNNKFFIDTSIILF LNKKDLFGKIKKSPLTICFPEY TGPNTYEDAAAIIQAQFESKNR SPNKEIYCHMTCATDTNNIQVV FDAVTDIIANNLRGCGLY
6039	36407	A	6086	1	1053	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6040	36408	A	6087	2	377	IYDGFDFGFAKGQIKGWTVDVG GWTGQGGSIKTRVLPKGY MEEIATQMRTHSINALLIIGGFE AYLGLLELSVFVTLKLFYQHFM HVLTLIPNRRVPICTSPSACC LWSVSHAFRCAYEQN
6041	36409	A	6088	1	591	
6042	36410	A	6089	1	2391	PGRAAPLGLLAMDADDSRAPK GSLRKFLLEHLSGAGKAIGVLT GGDAQGMNAAVRAVVRMGY VGAKVYFYIEGYQGMVDGGSN IAEADWESVSSILQVGGTHGSA RCQAFRTREGRLKAACNLLQR GITNLCVIGDGLTGANLFRK EWSGLLEELARNGQIDKEAVQ KYAYLNVVGMVGSIDNDFCGT DMTIGTDSALHRIEVDAIMTT AQSHQRTFVLEVMGRHCGYLA LVSAACGADWVFLPESPPEEG WEEQMCVKLSNRARKRLNII IVAEGAIDTQNKPTSEKIKELV VTQLGYDTRVTLGHVQRGGTP SAFDRILASRMGVEAVIALLEA TPDTPACVSLNGNHAVRLPL MECVQMTQDVQKAMDERRFQ DAVRLRGRSFAGNLNTYKRLAI KLPPDDQIPKNTCNVAVINVGAP AAGMNAAVRSVAVRVGIADGH RMLAIYDGFDFGFAKGQIKGWT TDVGGWTGQGGSIKTRVLP GKYLEEATQMRTHSINALLIIG GFEAYLGLLELSAAREKHEEFC VPMVMVPATVSNNVPGSDFSIG ADTALNTITDTCRJKQSASGT KRRVFIIETMGGYCGYLANMG GLAAGADAAYIFEFPDIRDLO SNVEHLETKMKTTIQRGLVLRN ESCSENYTTDFIYQLYSEEGKG VFDCRKNVLGHMQQGAPSPF
6043	36411	A	6090	1	459	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6044	36412	A	6091	1930	5781	RAKSPANIIMTGSNSHITILTLN VNGLSPIKRHLASWIKSQDP SVCCIQETHLMCRDTHRLKIG WRKIYQANGKQKKAGVAILVS DKTDFKPTKIKRDKEGHYMMV KGSIQQEELTILNMYAPNTGAP RFIKQVLSLDLQRLDSHTLIMG DFNTPLSTLDRSTRQKVNKDTQ ELNSALHQADLIDIYRTLHPKST EYTFFSAPHHSYSKIDHILGSEA LLSKCKRTEIITNLYSDHSAIKL ELRIKNLTQSR
6045	36413	A	6092	1	3654	
6046	36414	A	6093	1	5127	
6047	36415	A	6094	1	3663	
6048	36416	A	6095	1	3210	MVKGSIQQEELTILNIYAPNTG ALRFIKQVLRDLQRLDSHTIIM GDFHTPLSTLDRSTRQKVNKDI QELNSALHQEDLIDIYRTLHPKS TEYTFFSAPHHTYSKIDHIVGSK ALLSKCKRTEIITNCLSDHSAIK LELRIKNLTQNRSTTWKLNLL LNDYVWHNEMKAEIKMFFETN ENKDDTTYQNLWDTFKA VCRGK FIALNAHKRQERSKIDTLTSQ LELEKQEQTHSKASRRQEITKIR AELKEIETQ
6049	36417	A	6096	1	5073	
6050	36418	A	6097	1	3489	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLTDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKWKRTEIITNLYSDH SAIKLELRINKPTQSRSTTWKLN NLLNDYVWHNEMKAEIKMFF ETNENKDDTTYQNLWDAFKAVC RGKFIPLNAHKRQERSKIDTL TSQLELEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWFFERINKTDRPLARLIKKR EKNQIDTIKNDK
6051	36419	A	6098	1	3235	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6052	36420	A	6099	1	3070	MATLIPLLFHKHPLHTQRYQFN VRGGCPTSTAIAITLDPRTAVFP LMSVFQTSAPWPFWGFTHTQTP VPQPLKVKIHSSADTAADIQAN RVWSGPPANSKRPAEEGKLT NRKDIHTKNPSVRHHHQPKV DKTTKTGKKQRRKTGNSKKQS ACPPPKERSSTATEQSWTEND FDKLREGFRSSNYSKLQDEIQT KGKEVENLEKSLDECITRITNTE KGLKLENYVKNEETSGANAI NWKKGINKIDRLARL
6053	36421	A	6100	1	3297	MKAIEKMFETNENKDTTNQN LWDAFKAEEVESLNRPTGAEL GAIINSLPTKSPGPDGFTAEFY QRYKEELVPFLLLKFSIEKEEL LPNSFYEASILIPKPGRDTTKEE NFRPISLMNIDAKILNKILANRI QQHIKKLIHHDQVGFPPGMQG WFNIRKSINVIQHINRAKDKNH MIISIDA EKAFDKIQQPFMLKTL NKLGDIGTYFKIIRAIYDKPTAN IILNGQKLEAFPLKTGTRQGCPL SPLLFNILLEVLARAIQKEIK GIQLGKEEVKLSLFADDMIVYL ENPIVSAQNLLKLISNFSKVS KINVQKSQAFLYTSNRQTESQI MSELPFTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILPK VIYRFNAIPKLPMTFFTELEKTT LKFIWNQKRAHITKSILSQKNK AGGITLPDFKLYYKATVTKTA WYCYQNRDIDQWNRTEPSEITP HTYNYLIFDKPEKNKQWGKDS LFNKWCWENWLAIWRKLKLD PFLTPTYKINSRWIKDLNVRPKT IKTLEENLGITIQDIGMGKDFMS RTPKAMATKAKIDKWDLIK SFCTAKETTIRVNRQPTTWEKIF ATYSSDKGLISRIYNELKQIYKK KTNNPIKKWEKDMNRHFSKED IYA AKKHKMKCSSLAIREMQI KTTMRYHLTPVRMAIHKSGNN
6054	36422	A	6101	1	2563	
6055	36423	A	6102	1	3417	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
6056	36424	A	6103	1	3579	MPGHNLKWKLNRGTVLIETGI QLSTSTILGSAPEPPSAIPKAQV SSTEKLRNCIDDLKPFPAALASEL SRRAKALQIAGFPPMKVPRDTI SKVCCLKTVGKLCHSGEESRK CTLICNNKHYPIDNLQGYKTQ NKFLNKEILELSALRRNAERRE RDLMAKYSSLEAKLCQIESKYL ILLQEMKTPVCSEDDQGPTRV AQLLEDALQVESQEQPEQAFV KPHLVSEYDIYGFRTVPEDDEE EKLVAKVRALDLK
6057	36425	A	6104	1	4371	
6058	36426	A	6105	1	1825	MVKGSIQEEELTILNTYAAHTG APRLIKQVLSDLQRDLDSHTIM GDFNTPLSTLDRSTROKVNKDT QELKSALHQADLTDIYRTLHHK STEYTFFSAPHHIYSKIDHILGSK ALLSKCKRTEITNYLSDHSAIK LELWIKNLTONHSTTWELNNLL LNDYVWHNEMKAEIKMFFETN ENKDDTTYHNLWDTFKAVCRGK FIPLNAHKRQKERSKIDTLTSQ KELEKQEQTHSKASRRQEITKIR AELKEIETQKTLQKINESRSWFF ERINKIDRLARLIKKKREKNQI DAIKNDKGDITDPTEIQTIRE YCKHLYANKLENLEEMDKFLD TYTLPRLNQEEVESLNRPIGTAE IVAIINSLPTKKSPGPDGFTAKF YQRYKEELVPFLFLQFSIEKE GILPNSFYEAHILIPKGRDITK KENFRPISLMNIDAKILNKKLA KRIQQHIKKLIHHDQVGFIGM QGWFNIRKSINVIQHINRAKDK NHMISIDAFAFDKIQPFMLK TLNKLGIKYLGIHLTRDVKDLF KENYKPLLKEIKEDRNKWKNP CSWVGRINIVKMAILPKNILITL QLLLVLPSTLPLWLPALAGQ
6059	36427	A	6106	1	4449	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6060	36428	A	6107	824	3693	AWKGTDDRSTRQKVNKDTQELNSALHQAADLIDYRTLHPKSTETYTFSSAPHHITYSKIDHIVGSKALLSKCKRTEITNYLSDHSAIKLELRKINFTQSRSTTWKLNLLNNDYVWHNEMNAEIKMFFETNE NKDDTTYQNLWDFAKAVCRGKFIALNAHKRKQERSKIDTLTSQLEKELEKQEQTHSKASRRQEITKIRAELEKETQKTLQKINESRSWFFERITKSDRPLARIKKKREKNQIDTIKNDKGDIT
6061	36429	A	6108	1	3297	
6062	36430	B	6109	112	3300	
6063	36431	A	6110	3	3316	
6064	36432	A	6111	1	3457	
6065	36433	A	6112	1	3170	MVKGSIQEQEELTILNIYAPNTGAPRFIKQVLSDLQRLDSHTLIMGDFNTPLSTLDRSTRQKVNKDTQELNSALHQAADLIDYRTLHPKSTETYTFSSAPHHITYSKIDHILGSKALLSKCKRIEITNYLSDHSAIKLELRKINLTQSRSTTWKLNLLNNDYVWHNEMKTEIKMFFETNENKDDTTYQNLWDFAKAVCRGKFIALNAYKRKEERSKIDTLTSQLEKELEKQEQRHSPRRQETKMRAELEKETQ
6066	36434	B	6113	1	4753	
6067	36435	B	6114	1	3384	
6068	36436	A	6115	1	3345	
6069	36437	A	6116	1	3780	
6070	36438	A	6117	1	3720	
6071	36439	A	6118	1	3894	
6072	36440	A	6119	1	3335	MVKGSIQEQEELTILNIYAPNTGAPRFIKQVLSDLQRLDSHTLIMGDFNTPLSTLDRSTRQKVNKDTQELNSALHQAADLIDYRTLHPKSTETYTFSSAPHHITYSKIDHIVGSKALLSKCKRTEITNYLSDHSAIKLELRKINLTQSRSTTWKLNLLNNDYVWHNEMKAEIKMFFETNENKDDTTYQNLWDFAKAVCRGKFIALNVYKRKQERSKIDTLTSQLEKELEKQEQTHSKASRRQETKIRAELEKETQ
6073	36441	A	6120	1	3780	
6074	36442	A	6121	1	3852	
6075	36443	A	6122	1	3345	
6076	36444	B	6123	1	6136	
6077	36445	B	6124	1	3924	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US/N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6078	36446	B	6125	295	4185	
6079	36447	A	6126	1	405	
6080	36448	A	6127	1	1059	
6081	36449	A	6128	2	518	EKATCDENDSVSNIA TEIKGQ QSVVHVSPQKQSAWKVIFKKKV SLLNIA TRIIGGKSGTVSSQKQ PPSKATSDKTDSALNIA TEIKDG LQCGTVSSQKQPALKATTDEED SVSNIA TEIKDGEKSGTVSSQKQ PALKATTDEKDSVSNIA TEIKD GEKSVTVSSQKQPASK
6082	36450	A	6129	1	843	
6083	36451	A	6130	1	432	
6084	36452	A	6131	2	835	CGSAQAAAAAAEEATEKIPAL RP/ASAVGAAGALAVLRDPRA WREAGSKS/PETPFS* CQGA/HG GGQFCPSGTAFPGMKVMR KRKKKGQCLPGICRSLKRRKSP RSPGM/IGYSTLSIPPEMLASYQ SYSSTFHSLEEQQVCMA/G*HR QMPGADKPVRAQQRVLAGVW AGFTMRHQSRLY*ECSCIGVIFR HRCVAHLLGRAIGALFVITPA GERGMCCAKILGNARVFPVT TL*NDGQCQACMHAG/TTLED GKNYISSPSSSSSSPSSPRVPS
6085	36453	C	6133	278	446	
6086	36454	A	6134	1	1152	
6087	36455	A	6135	1	639	
6088	36456	A	6136	12	1436	
6089	36457	A	6137	367	1056	
6090	36458	A	6139	1	4263	
6091	36459	A	6140	1	1311	
6092	36460	A	6141	1093	1358	MQKKPLTKFNNPSC*KLSIN*V LMGRISK*VTTTATTTTITTT TTTTTTTTTATTTTTTTTTTTT TTTTTTMGPTLPLPIGLGS
6093	36461	A	6142	1	699	
6094	36462	A	6143	1	489	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6095	36463	A	6144	5	916	ALGGTPMLGKGLAMLLVWQQA LLALLPTLLAQGEARRSRNTT RPALLRLSDYLLTNYRKGVPRV RDWRKPTTVSIDVIVYAILNVD EKNQVLTTYIWYRQYWTDEFL QWNPEDFDNTKLSIPTDSIWVP DILINEFVDVGKSPNIPYVYIRH QGEVQNYKPLQVVTACSLDIY NFPFDVQNCSTFTSWLHT/SPG HQHLFVALARKGEIRQECLHEP GRVGVAAGGAALLSGVQHGKQ* LLCRNEVLCGHPPAAPLLCGQP ATAQHLPHGHHGRGLLPAPQQ WREGLFQNYTPPGLLGLPDHFR
6096	36464	A	6145	5	756	
6097	36465	A	6146	1	471	
6098	36466	A	6147	184	1097	ALGGTPMLGKGLAMLLVWQQA LLALLPTLLAQGEARRSRNTT RPALLRLSDYLLTNYRKGVPRV RDWRKPTTVSIDVIVYAILNVD EKNQVLTTYIWYRQYWTDEFL QWNPEDFDNTKLSIPTDSIWVP DILINEFVDVGKSPNIPYVYIRH QGEVQNYKPLQVVTACSLDIY NFPFDVQNCSTFTSWLHT/SPG HQHLFVALARKGEIRQECLHEP GRVGVAAGGAALLSGVQHGKQ* LLCRNEVLCGHPPAAPLLCGQP ATAQHLPHGHHGRGLLPAPQQ WREGLFQDYTPPGLLGLPDHFR
6099	36467	A	6148	3	672	
6100	36468	A	6149	3	398	LRKIKIDLGKFSNDPBGYIDVLQ GLRQSFDTWRDIMLLDQSLT PNEKSAAKTAAREFGDLWV/S FQN*SCKTTNRSSNGAPDAVHD *D/PTADPWTGPLAHALMLMTL KAPLTRKSQLHDPYYPAPIQQA V
6101	36469	A	6150	1	420	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6102	36470	A	6151	1	878	TLLPPRPGVGS DYPNIPGCPMW GNKDPGEGTLER GKVEDASQR TSRTLKETS GKA EHRKKQDGK CSPQGKNAL KMYSGEFD PVRV CVPFSLDLKQLKIDLGRFS DN DGYIDV/LQGLGQSF DLTW RDI MLLLDQTLTPNERNATIT AARE FGDLWCLSQVNDRMTTEERER FPTGQQA VPSADPH* DTESEHG DWCCRHL LTCVLEGLRKRKK AVNFSVMSTVTQGKEENPTAFL ERLREALRKHTSLSPDSIEGQLI LKIKFITRSAADIRKQTSKVHLR PGAKLKTPY
6103	36471	A	6152	1	417	
6104	36472	A	6153	1	415	
6105	36473	A	6154	1	234	
6106	36474	A	6155	1	335	TCPIVPG/QEMIIEISKGRSGLGL SIV*GKDTPLNAIVIHEVYEEGA AAVDGRLWAGDQILEVNGVDL RNS SHEEAIT ALMQTPQKVRLV VYRDEA HYRDEENLEIFPVDLQ
6107	36475	A	6156	109	4687	
6108	36476	A	6157	109	4991	
6109	36477	A	6158	3	862	
6110	36478	A	6159	1	1857	
6111	36479	A	6160	3	100	
6112	36480	A	6161	1	537	
6113	36481	A	6162	125	1184	
6114	36482	A	6163	875	1506	LSIYLV TQKAA/SSEWGP EQEK ALQEVQAAVQAA LILEPYDPA GPVVLVSLAD RDAVWSLWQ APIGESQQRPLGFWSKALPSSA/ DHKACHAQHSI IWKWYIHD RARAGPEGT NSSARYAATM*K WTASALQPLSRKSLKDSSEGK SSQWAE LRAVHLAVHVAWKE KWPDPVRLDTDSWAV/ANGLAR WGTWKEHDRKIGDKEVWGR GTRI
6115	36483	A	6164	1	1566	
6116	36484	A	6165	1	1098	
6117	36485	A	6166	1	538	
6118	36486	A	6167	410	625	LTLVPFSF SVLTPLPKGNTIRY *TGIL*GWNLSWKGT LGFSVTA QPSSGTPRTALGSR TT KPLLVSL LQV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6119	36487	A	6168	821	1428	QVTDVQDFPLCKIQWRRTVR GDLQ/PFTRVTVHWGKGNQDT FQGLDITGSELTLPDGPKRHC GPPVKIGAYGGQIINGVLAQVQ LTVDAVGPWTHPVV/I/SPVPECI IGIDILSSWQ/NSHIGSLTGRVRA TMVGKAKWKPLELPLPRKIVN QKQYHIPGGIAEIGATIKDLKDT GVIPTSPFNSPI*PMQKTDGSW RMTVDYL
6120	36488	A	6169	203	850	DVEHVKGKRRRRWRRRVVAD GNVVKPMSCAGDLQ/PFTRVTV HWGKGNQDTFQDLDDTGSELT LPDGPKRHC GPPVKIGAYGGQI INGVLAQVQLTVDAVGPWTHP VV/I/SPVPECIIGIDILSSWQ/NSH IGSLTVHLSSDPKGCSEWGPE QEKALQEVQAAVQAALILEPY DPAGPVVLEVSLADRDVWWSL WQAPIGESQQRPLGFWSKALPS
6121	36489	A	6170	1	864	
6122	36490	A	6171	1	205	VPDFPAKPIQGFHNSRYL/REA VHGAEVHAFIAGQPLT**ELM SIFPQFQFFLYRRLDSHSGSQW I
6123	36491	A	6172	1	3039	
6124	36492	A	6173	1	1364	MIISDAEKAFFDKIQPFMLKTL SKLEETASPSPVVA TYTPQPMML PSAFFPPLSEINPVL PETTVMAS PEAVTRQDNVDS PQKPPPTPMF ASRPITRLKPRRAPSEEGIQLRK KIGMVEWISHFRPTPLSMEGPE HILLTNTLLNRYVKAAPASLKS PLTALLFMSDLTVGTTFSQLQN LNTMGIFGSCDRSQVAALNHQ RQVPELIIGIDILSSWQNP HIGSL NGRGYINSLALCHNLIRDDLRL FLLPDQITLVHYIDHIMRLDSVK DKWLHLAPPTTKKEAQLVGL/ FGFWRQHS/LWROPLACYWAL VETEHLTMGHQV/TMQPELPIM NWLISDPSSYKPAPMASWGVP YGQLTEEEKTRAWFTDGSARY TETTRKWTAVAIQPLSRTSLKD SNEGKSSHQA KNGITVLACVI DPDYQDEISL/LTPQWRCHPGSS VWRASSLGISHPP
6125	36493	A	6174	114	1996	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6126	36494	A	6175	1	475	MGRNQNRKAENSKNWNASSPP KEHNSSPAREQNWREDEFNLT EVGFRRSVITNFSDLKEHVLTH CKEAKILEKRLDKWLTKITSVE KS/CK*PDG/D*KPQYENFMKHT QASIALDLIKRKKRYQ*LKIKLM K*SKKTR*EKKKYKLPSENTTN TSMQIY
6127	36495	A	6176	179	393	NKRGYKQMEEHSLMDKKNQ YYENGHTAQGN*AGEGNKGYS IRKGTGSQIVPLCR*HDCISRKPD CLSPKSP
6128	36496	A	6177	1	710	MARELRDECTSFSSQFHQLEER VSVIEDQNMENKQEEKFREKGI KRSEQSLQEIWDYMERPNLCLI GVPESDGENGKLEDTLQDIIQK DFPNLGRQANIQIEIQRMPQR YSSRRATPRHIVRFTKEIQTIR EYYKHLANKLENLEEMDKFL DTYTLPRNLQEEVESLNRPTGS EIEAIINSLPTTKSPRPGFTA YQRYKEELVPFLKLFQSIKIE GILPNSFYEAHILPIKLGRDITK KENFRPISLMNIDAKILNKILAN QMQQNIKNLIRHDQAGFIPGMQ CWFNIRKSINVIQHINRTKDKN HMIISIDAFAFYKIQQPFILKTL NKLLENKIPRNPITYKGCEGPLFK ENYKLMLEKEIKEDTSKWKNIP WSWGRNIVKMAILPKVIYRLS AIPKLPIMIFFTELEKTLTKFIWN QKRACIAKSILSQKNKAGGIML PDFKLYYKATVTKAAWYWYQ NRDIDQWNRTEPSETIPHIYSHL IFDKPDKNKKWGDFLFNKWC WENWLAICRKLKLDPLTPYTK INSRWIKDLNVRPKTIKTEENL GNTIQDIGMGKDFMCKTPKAM VTAKIDKWDLIKLSFCTAKE TTVRVNRQPTWEKIFAIYSSD KRLISRIYKELKL*PCSI*SQVA *CLQLCSFGLGLTWQCRLFFGSI
6129	36497	A	6178	464	724	IGEVLLDNILQRFVQLGSILPTF RYTNQT*IWSWTLFWLVS
6130	36498	A	6179	1	2022	
6131	36499	A	6180	1	882	
6132	36500	C	6181	1	1935	
6133	36501	A	6182	1	672	
6134	36502	B	6183	140	2195	
6135	36503	A	6184	26	354	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6136	36504	A	6185	86	747	SLEDAMSLKDDDSGDHDQNEE NSTQKDGEKEKTERDKNQSSS KRKAVVPGPAEHLQYNYTFW YSRRTPGRPTSSQSYEQNIKQIG TFASIVEQFWRFYSHMVRPGDL TGHSDHFLKEGKIPMWEDDA NKNKG/KGWIIRL/RKGFGRCW ENLILAMLGEQFMVGEEICGG CGVCPAFQEDIHSIWNKTASDQ ATTARIRDTLRRVLNLPANTI MEYKN
6137	36505	A	6186	23	127	
6138	36506	A	6187	2	419	
6139	36507	A	6188	1	714	
6140	36508	A	6189	19	373	AVFFFFFFFFFFFFFFFFFFFFFFF FFFFFFFFFFFFFFFFFFFFFLL FFFFKLKELRLV*PLNPEN*ESC PLFSPVNLDMPTFKDKRWKV NWARSTSRQQLLESARTKSWA EREGGTRWRAW
6141	36509	A	6190	227	420	KNFLPNCSAKELFFFFFFFFFLL LLLLLLYFKF/M*WFKHLAF PLLAFILSPITAL*RGVFHH
6142	36510	A	6191	400	582	
6143	36511	A	6192	1202	1678	
6144	36512	A	6193	2	109	FTFWHDFAAAGTGCSFPCLVLP SWW*QNLSAFACL
6145	36513	A	6194	110	377	QWISRQKPYKPEKRGDQYSTFL *EC*ILVPLFWLVGFLRPDLL V*WAYGCP*HFFLHFNLGESNN YVSWGCS
6146	36514	A	6195	1	381	
6147	36515	A	6196	1	759	
6148	36516	A	6197	1	609	
6149	36517	A	6198	2	1178	
6150	36518	B	6199	159	290	
6151	36519	A	6200	716	1001	SMPASTHLIVGSCSWKMMVIL PLVTHLFTALTVPWNLPWVEL YWNM*TM*LRSMKESLMATIF TLPELKA/VLHEKLQ*LQSTEDL *HGLLGG
6152	36520	A	6201	5772	5971	TANIIMTGSNSHITILTLNVNRL NARIKRHRENCIKSQDPSVCCI *ETHLMCRDITYRLKIKGWSN
6153	36521	A	6202	1	974	
6154	36522	A	6203	1	600	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, v=possible nucleotide insertion)
6155	36523	A	6204	51	424	MAPKQDPKPKFQEGERVLCFH GPLLYEAKRVKVAIKD/ITREIH SYITVVGIKIGMNGFRRAKYSN TWTPICRNSENFKKPSKFVL* T EY*GEMPVDF*FWTWNQWRSC WLPCLYNDTSDLSAGV
6156	36524	A	6205	1	3827	MQKAIRLNDGHVAPLGLLARK DGTRKGYLSKRSSDNTK WQTK WFALLQNLFFYFESDSSSRPSG LYLLEGVCVCDRAPSPKPA SAK EPLEKQHYFTVNF SHENQKALE LRTEADAKDCDEWVAIAIHASY RTLATEHEALMQKYLHLQIVE TEKTVAKQLRQQIEDGEIEIERL KAEITSLLDNERIQSTQT VAPN DESDIKKIKKVQSFLRGWLCR RKWKTIIQDIYIRSPHADSMRKR NQVVFMSMLEAEAY
6157	36525	A	6206	1	900	
6158	36526	C	6207	172	501	
6159	36527	A	6208	499	848	KIRVPAA VAGLSPPLGPWSLRS PSQPERCCPWRNSSWWTAPRTS IITAAGKVSAPRLSSISCTTRGS WVKTPPTRARMVIASSNLERP SALSRM*PTSQSMTRKRWWRL WPSTTL
6160	36528	A	6209	3	495	SCAQTFPKLDTFLEHIKSHQEEL SYRCHLCGKDFPSLYDLGVHQ YSHSLLPQHSPKKDNA/CLQVF PCERYLRRHLPTHSGGRFKCQ VCKKFFRREHYLKLHAIHSGE KPYKCSVCESAFNRKDKLKRH MLIQYDEVQRQGLGMVPGTQKV LNKCFCHNVKKKK
6161	36529	A	6210	667	2142	
6162	36530	A	6211	1	396	
6163	36531	A	6212	213	446	
6164	36532	A	6213	101	580	VAGVGS LPRSMEDDAPVIYGLE FQARA/LTPQTAETDAIRFLVG TQSLKYDNQIHIDFDDENNIIN KNVLLHQS/AGEIWHISASPADR GVLTTCCYNRTSDSKVLTCAA V WRMPKELES GSHESPDDSSSTA QTLLELLCHLDNTAHGNMACV VWEPMGDG
6165	36533	A	6214	1	933	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=-possible nucleotide deletion, \=possible nucleotide insertion)
6166	36534	A	6215	3	404	RLKEKKLVKEIVASCGPAQCQ ETIR TALAMGADRGHVEVPPA EAERLGPLQVARV/AVVTADLR LNEPCYATLPNIMKAKKKKIEV IKPGDLGVDLTSKLSVISVEDPP QRTAGVKVETEDLVAKLKEIG
6167	36535	A	6216	1	408	
6168	36536	A	6217	88	871	MADVRLVAVKRVIDYAVKIR VKPDR TG VVT DGVKHS MN PFC EIAVEEA VRLKEKKLVKEIVAV SCGPAQCQETIR TALAMGA/D RGIHVEVPPAEAE RF/GVPLQV ARVLGQLAKKEKVDLVLLGK QAMACTDCNQ/TGQMTAGFLD WPQGTFA SQVTLEGDKL KVER EIDGGLET LRLKLP AVVTADLR LNEPRYA TLPNIMKAKKKKIE VIKPGDLGVDLTSKLSVISVEDP PORTAGVKVETEDLVAKLKEI
6169	36537	A	6218	1	1023	
6170	36538	A	6219	110	842	
6171	36539	A	6220	1	122	
6172	36540	A	6222	1	1257	MNDATAVQEGSQMYSWQKLT PTGPFIMQPEGMGRLFAINKMA EGFPPEHYEPIETPLGTNPLHPN VVS NPV VRLYEQDALRMGKKE QFPYVGTT YRLTEHFHTWTKH ALLNAIAQPEQFVEISETLAAAK GINNGDRVTSSKRGFIRAVAV VTRRLKPLNVNGQQVETVGPI HWGFEGVARKGYIANTLPNV GDANSQTPEYKAFL/GQHREGV RN*LHHA AFSGA*LQCFQYAH NSRKNN
6173	36541	A	6223	737	941	WLRMMEHRLFPLWKRESKKA HYVQSSVLLCLGMLR*KYK GK KGKKERKKDEKRKGNGKKRI KIHSI
6174	36542	A	6224	1	1072	
6175	36543	A	6225	1	585	
6176	36544	A	6226	1	930	
6177	36545	A	6227	28	392	AGEVPLQLPPAAVCSACLQRP LWNSSFFL*SCLHALFH*VDL QSLIAFLLD*SS*YLCMLHEV LVLCFSAPSGLCSSLS*LF*LAI HLTFFQGS*LPCIGLEHASLAQR SLLLP TF
6178	36546	A	6228	1	271	SAIVTFVCFMKFSCCVFQLHQV FHVLFKLVILVSSCNLFSRFLA SLHWVTTCFSFSEEFVITHLKP APVNSSNSFSVQFCSLAGKEL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6179	36547	A	6229	1	1089	MGWRPRWLPYLYWGFQSDLC PHCKRKAQEEDSLAAQAASHP RLSANSKNNSWKGQYSYALFK AMRHMLCIGYGRQAPAAVSDV WLTMLSMIVGATCYAMFIGH/ ATALIQVLDCSRRQYQEKVVL REHPNIGSSQEGGTWHQTVGL QQTSKDFDANDPILKDOTQEW SGSATFTSDGKIRLFYTDYSGK HYGKQSLTTSANTGTENGYYQ GEESLFNKAYYGGGTNFFRKES QKLQQSATTRDAELANGALGII ELDNDSPKKRGATQRSSEENI TLKAYKRDVRSLLMLTRNEDV ADSLNSSKKRQNYQLPSIRSVT RCKKIGVCAKIGCGQGTHYLS VSILNTADRRRLGFFRTSMY
6180	36548	B	6230	1	1140	
6181	36549	A	6231	3	204	GSDYELGLW*PWLTSATDLH GECYSS*SGASGVVRSWLARG LAGFRSEADLRGRESVAVTN
6182	36550	A	6232	1	1296	
6183	36551	B	6233	1	1686	
6184	36552	A	6234	1	627	
6185	36553	A	6235	570	736	SATFGRSSRSGCSGFPAASRRG RLPLSPPPWPAVRVYPCGMLD NKASAAHPKKK
6186	36554	A	6236	1	103	
6187	36555	A	6237	699	887	GLQPPAPRETRPLY*TLAWNLI FLFVSPLDSCDLVRSVLTCLSP GNSPSFDMHRYQLPCVH
6188	36556	A	6238	2	803	
6189	36557	A	6239	2	1277	YKETYLIHLHFTTGLSIAYFNF GNQLYHSLLCIVQLILRLMG RTITAVLTTCFQMA YLLAGYY YTATGNYDIKWTMPHCVI.TLK LIGLAVDYFDGGKDQNSLSEQ QKYAIRGVPSLLEVAGFSYFYG AFLVGPQFSMNHYMKLVQGEL IDIPGKIPNSIIPALKRLSLGLFY VGYYLLSPHITEDYLLTEDYDN HPFWFRCMYMLIWGFVLYKY VTCWLVTEGVCIITGLGFNGFE EK GKAKWDACANMKVWLFET NPRFTGTIASFNINTNAWVARYI FKRLKFLGNKELSQGLSMLFLF LWHGLHSGYLVCFQMEFLIVIV ERQAARLIQESPTLSKLAITVL QPFFYYLVQQTTHWLFMGYSMT AFCLFTWDKWLKVYKSIYFLG HIFFLSLLFILPYIHKVAMVPRKE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
6190	36558	A	6240	56	324	
6191	36559	A	6241	68	487	
6192	36560	A	6242	52	457	
6193	36561	A	6243	263	787	SLEV*KWPGVACRLQL*P/MVP APKS*ESKSAGSLNTPSAICRDA SGRGLARPWLKSKCLACHLV DTRSKTAGGLAPVPSAHLISVR EREPLCAVLVSQLEFRVGVGL VGPTLGARREPCWPQAMGDLA PEPVAALRLISRRALPAFPWGR ARDLQAMPEPPTHSMGSCAPE PPR
6194	36562	A	6244	3	236	
6195	36563	C	6245	1	1608	
6196	36564	B	6246	1	1083	
6197	36565	A	6247	823	1055	KQKDGTPAPWSRGRSSGRLG THRSRRGWAEQAWRAAGPET CPAGRQLRPGEKSSAPG*RSR RKDAYEMDTAKKK
6198	36566	B	6248	1	390	
6199	36567	A	6249	27	363	
6200	36568	B	6250	1132	1268	
6201	36569	A	6251	11	489	
6202	36570	A	6252	356	638	
6203	36571	A	6253	1	507	
6204	36572	A	6254	80	336	
6205	36573	B	6255	100	912	
6206	36574	B	6256	821	2992	
6207	36575	A	6257	2	602	
6208	36576	A	6258	1	519	
6209	36577	A	6259	3	228	STGVVPSQRTCLLEKASVLFNT GALYTQIGTRCDRQTQAGLESA IDAFQRAADMSPGLTRRLGP TRWHQGTPH
6210	36578	A	6260	1	963	
6211	36579	A	6261	1	925	
6212	36580	A	6262	1	397	
6213	36581	A	6263	1	2625	
6214	36582	A	6264	11	241	SLQHLNPATFLPVSKSPVKHNC VEVLDSVYSSGPNHRDHP*TSV DWELYMDGSSFTNPCKVTLKK TTSPAPVTPGS
6215	36583	A	6265	1	1662	
6216	36584	B	6266	1	897	
6217	36585	A	6267	3	258	
6218	36586	A	6268	1	279	
6219	36587	A	6269	1	258	
6220	36588	A	6270	1	639	
6221	36589	B	6271	1	1935	
6222	36590	A	6272	698	1643	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6223	36591	A	6273	91	386	IFDFLLYYVSGCNSIAEPQHFT TTVTRCSPVAFVEFPSSPQLKN DVSEEDQK\KPIENEMSGKGG SWVLFTKGEVQEWRESGLNPT KFNMGPLIYS
6224	36592	A	6274	1	2538	
6225	36593	A	6275	1	471	
6226	36594	A	6276	152	520	CPLTLLPSRGAGLGTCSPPCLS LPPTPWAPVRPEPPRRAPPA RPVPSGTKEQTTQGLRNASARR GTGRQLHLSPGVGSTG*SQGL
6227	36595	A	6277	831	1449	HPQWQLRRVCWVSSGAGLAL CSISCPALAAFPVRVGLGTCSPPC LSLPPTPWAPVRPEPPRRAPPA PR/PPSIDHPRAEEYE/PHGAGL AGSSTCSPSAESTG*SQLGS*VV RVRGFILVSETKNPPIDTFGL PPGSSAASTLVQVTRL*ISAIL PHLLSRPCSNARGPVPAVPG AAVRAPAAGRWCGGARGRG RRGGGH
6228	36596	C	6278	1	426	
6229	36597	A	6279	1	535	MKHSGAQLASPSGS\PLGPQVE LPASPVCACTSQPLGGRWDW APWSRGWCSSGRLGPHRSPWS GWE\LRHGGQLVPSAPREGS* GPARNP/GTAPGRPAAPS\GGPP SPRPRTPAGPQALRAAPVP\LA PLPPLPAS*GSLQWPWA*KE APTVCQCAEGLLKCRQSGSPGR GGAESE
6230	36598	B	6280	1	1743	
6231	36599	A	6281	1	428	GTR EEHLKRSRGRIALPIEACV MLLLETGMKEEGLFRIGAGASK LKKLKAALDCS\LTWDEFYSD PHAVAGALKSYLRELPEPLMT FNLYEEWAQVAVSQDQGQKT FKDLWRTCQKLPPQNFVNFRY LIKFLAKLAQTSDV
6232	36600	A	6282	135	512	LPFRGAGLETCSPPCLSLPPPPW APVRPKPPR*APPPAPRRVPST TQSLGPHCFYEL*HSP*RSAAS LLKPARP*AHREERTTP/GRSAL/ TSCNTHREGLO/PSLRKKETPNT SEHQKEQTPDAPP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /=-possible nucleotide deletion, v=-possible nucleotide insertion)
6233	36601	A	6283	698	2233	IQAAMQAAAPQFGPSTED*CCPIT SEAPWAIMDAKLRLKPPSHPL VSPHLNPQVWDTSSPSLA TEHA SLTISLKPNIHPYPAQSQYSIPQH ALKGSKPVITRI LEHGLLKPIN PYNPILPVQKLDKSYRLVQHL CLIQVLPIHPMPNPYTLSSSI PFTTHYSVLDLKHAFFTIPLYP SQPLFAFTWTDPDTHQAQQTIL AVLPQCFCIDSPHYFSQAQISSSS VTYLGILMKTHIGLGAVEQGV VLVGEARAAQEPMEWVGSG MVGCRSRALPRGKA AKARREI ERSAVTIVPVLDFNPAFHIPDTT PDHHDICSLIHLTFTFPFHSFFP VPHLEHTWFDGSSTRPNCHSP AKAGYAIVSSTSIIEATALPRST TSQQAKLIAYTDSKCAFHILHH HAVIWEERNFLTMQGASIIINAF LIKTLKDLLPKEAGVIHCKGK QKASDPITQDNAYADKVAKKQ LAFQLLSLTA VFLLLIRPLSPTSP LKLPLINLFFHKANDS
6234	36602	A	6284	1	1239	
6235	36603	A	6285	1	477	QRPPHGVFVLGVAGR VHGP ASHKAGPQLGDVGVCAQGG QVGPLVLQPVVEHIQQLPG/AG HCAHQ*QGSPS*SSLPRPERSLQ CRRPQGATA TIRSTWWGPRGP VCTAALVPLCWPGWPVQKDEL QAVRSHSALASAMQTCSLAGP GLGSSHARLTA
6236	36604	A	6286	1	1134	
6237	36605	A	6287	673	836	
6238	36606	A	6288	1	225	
6239	36607	A	6289	1	468	
6240	36608	A	6290	495	1637	ESQVLSNVSPHVKKV*NMASWE GKDLTVPPQPDTRKGSVLRISK RGRNASCS*DKRKASVCLSLG NGMSRYKTRLYAPSTEIGKNRL RAGGGTCGQYCFVKH
6241	36609	A	6291	1	507	
6242	36610	A	6292	215	389	
6243	36611	A	6293	1	255	
6244	36612	B	6294	69	1055	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
6245	36613	A	6295	23	1596	IKPQRWGGETRAEMLKILKTREP FLLQRIASPRQQWKNAGQRRS WFFERL/NKIDRL/LARLIKKKRE KNQIDAIKNDKGDITDPTIEIQT TIREYYKHLKYANKLENLEEMD KFLDTYTLPRLNQEELESNNRPI TGSEIEAIHSSLRTKKSPGPDGFT AEFYQRYKEELVLFLLKLFQSIE KEGILPNSFYEASIIIPKPGRDT TKKENFRLISLMNIDVKILNKIL ANRIQQHKKLVHHDQVGFIPG MPDWFNICKSINIIHHINRTNGK NHMIIISIDAEKAFEKIQCFMLK TLNKLIGDGMVLIIRAIKPT ANVILNGQKLEAFPLKTGTTQG CPLSPLLFKIVLEVLAIRIQEK EIKRIQLGKEEAKLSLFADDMIV YLENPVSAQNLLQLRSNFSKV LGYNKINMQKSQAFLYTKNKQT ESQIMSELPFTIATKRIKYLGIQL TRDVKSLFKENYKPLLSKIKED TNKWKNIPSSWIGRISIAKMAIL PKVIYTFNAIPIKLPMTFTFTELEK
6246	36614	A	6296	1	1488	
6247	36615	A	6297	1	1401	
6248	36616	A	6298	2	1256	
6249	36617	B	6299	84	955	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6250	36618	A	6300	735	2718	RSFPRSRPSPFLLLSRYLRIHMV FSVLPGFLQNPKYLLSGSLQEK FRTPGINSKTLDPNRYVHKVRR RLEKEKALRAYVGKSEVRNMH LRERCKL*KKREKNQIDTIKND KGDITTDATIEQTTIREYYKHLY ANKLENLEEMDKFLDTYILPRL NQEEVESLNRPIGTGEIAIINSL PTKRSPGPDGTAEFYQTYKEE LVFPPLKLFQSTEKEGILPNSFY EASIIIPKPGRDTTKKENFRPIS LMNIDAKILNKILANRIQQHIKK LIHYDQVGFIGMQGWFNKRK SINVQIHINRTNDKNHMIISDAE KAFDKIQQPFMLKTLNKLGDG TYLKVIRAIYDKPTANIILNGQK LEAFPLKTDTRQGCLSPLLFNI VLEVLARAVRQEKEIEGQLGK EEVKLSLFADDMIVYLENPIVS AQNLKLLISNFSKVSQYKINIQA SQAFLYTNNRQTESQIMSELPFT TASKKKIYGLQLTRDVKDLFK ENYKPLLNEIKEDTNKWKNIPI SWVGRINIMKMAILPKVICRFN AIIPIKLPMPFFTELETTTLKFIWN QKRARKSILSQKNKAGGITLPD FKLYYKATVTKTAWYWYQNR DIDQWNRTPESEIMPHIYNYLIF DKPEKNKQWGKDSL FNK* CWE NWLAIWRKLLK
6251	36619	B	6301	1	2907	
6252	36620	A	6302	1	2358	
6253	36621	A	6303	1	1866	
6254	36622	A	6304	1	885	
6255	36623	A	6305	1	1059	MKNNSSEFPELLIPRQRSGV DLQQTPTDLQLRVLTVRRTN KQDIHTKTPTVRRHHQRPKNP WDTFKAVCRGKFIALNAHKRK QERSKIDTLTSQLEKEVQEQT QSKASRRQEITKIRGELKEIETQ KTLQKINESRSWFEKINKIDRL LARLIKKKREKNQIDTIKNDKE DITTDSTEIQTIREYYKHLYAN KLENLEEMDKFLNIYTLPLNLQ EEVESLNRPIGTGEIAIINSLPT KKSPGPDGTAEFYQSYQEELV PFLKLFQSEIEGILSNSFYKA NIILIPKPGRDTTKKENFRPISLM NIDAKILNKILANRIQQHIKKLI HHDQVGFIGMQGWFNI
6256	36624	A	6306	1	1692	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6257	36625	B	6307	1	2871	
6258	36626	A	6308	2	2315	
6259	36627	A	6309	1	1210	MMSFHLSVHTAIDGSHSSCS AWCSPIRDYFEQENNSSSSCC CCCYHCHRRKHCCKGLSFPGE MPLSPGHFNKMMYSVSELMQG SGSGTFIPLPAELSLWLLVTNTK GQRMKNDAEIQTITREYYKHL YANKLENLEEMDKFLDTYTLPL RLNQEEVESLNRPTSSEIVAIIN SLPTKKSPGPHGFTAEFYQRYK EELVPFLKLFLQSIEKEGILPNSF YEASILIPKPGRDTTKKNFRPI SLMNSDAKILNKILANRIQQHIK KLIHHDQVGFIPGMQGWFNICK SINVIQHINRTKDKNHMIIIDAE KAFDKIQPPFMLKTLNKL/GIK YLGQLTWDVKDLFKENYKPL LKEIKEDTNKWNIPCSWVGKI NIMKMAIPPKATSPLESYKREK
6260	36628	A	6310	1	2745	MEGEMNEMKREGKFRKRIKR NEQSLQEIWDVYVKRPNI.RLIGV PESDGENGTKLENTLQDIIQENF PNLARQANVQIEIQRTPQRY SRATPRHIIVRFTKVEMKEKM LRAAREKDRSTRQKVNKDTQE LNSALHQADLIDIYRTLHLKST YTFFSAPHHTYSKIDHILGSKAL LSKCKRTEITNYLSDHSAIKLE LRIKNLTQNRSTTWKLNLLLN DYVWHNMKAIEKMFETNEN KDTTYQNLWDTF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6261	36629	A	6311	1	2052	MGDFNTPLSTLDRSMRQKVNK DTQELNSALHQADLIDYRTLH PKSTEYTFSSAPHHTYSKIDHIV GSKALLSKCKRTEIITNYLSDHS AIKLELRINKLTQNRSTTWKLN NLLNDYVWIINEMKAEIKMFF ETNENKDKTYQNLWDAFNAV CRGKFVALNAHKRQEGSKID TLTSQLELEKQEQTHSKASRR QEITKVRALKEIETQKTLQKIN ESRSVARLIKKKREKNQI/DAIKN DKRDITDPTEIQTITREYYKHL YANKLENLEEMDKFLDTYTL RLNQEEVESLNRPIITGSEIVAIIN SLPTKKSPGPEGFTAIFYQRYK EELVPFLKLQFQSTEKEGILPNS FYEASIIIPKPGRDTTKKENFRP ISLMNIDAKILNKILAKRIQQHI QKLIHHDQVGFIPGMQGWFNIC KSINVIQHINRTKDKNHMISID AEKVFDKIQQRFMLKTLNKL LEVLA RAVRQEKIKIGIQLGKE ELKLSLFADDMIVYLENPVISA QNLLKLISNFSKVSEYKIN VQKS QAFLYTNNRQTESQIMSELPFTI ASKRIKYLGIQLTRDVKDLFKE NYKPLLKEIKEDVNWKNIPCS WVGRINIVKMAILPKVIYRFNAI PIKLPMTSFTLEKTTTFKIWNH KGARIAKSILSQKNKAGGITLPD FKLYYKATVTKTAWY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, \~possible nucleotide insertion)
6262	36630	A	6312	2	2143	SSDGSWWTGFQWREWRQAGR SVNSWDNPKQEVRASSKDKSR GSIQEAAMRMQSSAKLLCSAWT LAYSIIVRTLSSDSEGQPPVIH RQTGSGEDLQQTPTDLQLRVLT IRRKTNKQKGHPHQNPISRRQ EITKIRAEKKIETQKPFKKINES RSWFFKINKIDRLRLARLIKKKI EKNQIDAINKDKGNITNTPTIEQ TTIREYYKHLANKLEHLEEM DKFLDIYTLPRLNQEEVESVNR PITGSEIEAIIINSLPTKKSPGPRF TAELYQRYKEELVPFLKLFQSI EKEGILPNSFYEAIIILISKPRGR TTKKENFRPISLMNIDAKILNKI LANQIQHHIKKLIHHQVGFIPG MQGWFNILKSINVIHINRTKD KNHMIISIEAEKAFDKIQPFML KTLNKLIGIDGTYLTYLKIIIRAIY DKPTANIILNGKLEAFPFTGT RQGCPLSPLLFNIVLEALARAIR QEKEIKGQLGKEDVKLSLFAD DMIVYLENPVSAQNLLKLISNF SEVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLENIK EDTNKWNIPCSWIGRINIVKM AILPKTLNQKFSYWFRVKNKHYI HQRTFPLKETEFNTIATLYNGA SP/CTAPKSTGTNGHQASGLPRF *RIAFCSALVKSRRKLYQGYLP GQTDREEGVSWCPGGP
6263	36631	A	6313	1	3018	
6264	36632	A	6314	1	2016	
6265	36633	B	6315	1	1215	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
6266	36634	A	6316	1	2268	MAGYPSETKPPEERSDSNICSSA IFTVLHPPLLIPRQTAFGMDLQQ MPTDLQLRVLTVKRKTNKQKG HPHQNPRTSPSKTEDFQPTKI KRDKEGHYIMVKGSIQQEELTI LNIYAPNTGAPRFIKEVLRLDQ RDLDSHTIMGEFNTRLSTLDRS MRQKVNKDIQELNSALHQADL IDISRNHLPKSTEYTFFSAPHRT YSKIDHIVGSKALLSKCKRTEII TKCLSDHSAIKLELRKLNLTQNC SITWKLNNLLNDYVWHNEM KAEIKMFFETSENKDDTTYQNL WDTFKA VCRGKFIALNAHKRK QERSKTDLTSLKELEKQEQT HSKASRRQEITKIRAELEIETQ RTLQKISESRSWFEKINKIDRS LARLIKKKREKNQIEAIKNDKG DITTNPTETQTTIEYYKHLYK NKLLENLEMDKFLNTYTLPRLN QEEVESLNRPI TGSEIVAIINSLP TKKSPGPDGFTA EFYQRCKEEL VTFLKLQFSIEKIGILPNSFYE ASINLIPKPGRD TT KKENFRPISL MNIDAKILNKILANRI/WGN*AE ERNKEYSIRKRGSQIVPVC R*H DCVSRKPHHLS PQSP*ADKQLQ QSLRIQNQCTKITSILIHQ*QTNR EPNHE* TPIHNCFKENKIPRNPT YKGC EGP LQGE LQTTAQ* NKR GHKQMEEHSM LMDRKNQHRE NRHTAQGNL*IQCHSHQATNDF
6267	36635	A	6317	1	1797	
6268	36636	A	6318	2	2063	
6269	36637	A	6319	1	1212	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6270	36638	A	6320	1	2718	MALFRVGM TTRRLGHANKFTR DLLVKRLLEYFVVEIIPGLRTK TTLVGPLETGYTSSDVNSPHF MLDIALSHNVKSTQLLRPWR NIDCSRNIHNAKKEEQMGDDE INRQQECSSSPAMEQSWTENDF DELREEFVRRSNYSELQEFIRTN GKEVKSFEKKLDEWITRITNAE KSLKHLTELKTKARELQLEKQE LTHSKASRRQEITKIRAEKKEIE TQKTLQKINESRSWFFKINKID RPLARLIK KREKNQDTIKND KGDITDPTEIQTIREYYKHLV TNKLENLEEMDKFLDTYVLPRL NQEEVESLNRPIGTGEIAHNSL PTKKSPGPDGFTAIFYQRYKEE LVPFLLLKLSQIEKERILPNSSYE ASIIILPKPGRDTTKENFRPISL MNIDAKILNKILANRTQQHIKK LIHHEQVGCIPGMQGWFNIRKS INVIQHINRTKDKNHMIISIDAE KLISKFSKVS GHKIN VQKSQAF LYTDNRQTESQIMSELPFTIASK RKLYLGIQLTRDVKDLFKENYK PLLNEIKEDTNKWKNI PCSWVG RINIVKMALLPIRFSAPIKLPMPT FFTELEKTTLKIWNQKEP/CIA KSFLSQKNKAGGITLPDFKLYY KATVPKTAWYCYQNRDIDQW NRTEPSEIMLLIYNLYLFDKPKD KKEWGGKDSL FNKWCWENWLA ICRKLKLPFLTPYTKMNSRWI
6271	36639	A	6321	1	2307	
6272	36640	A	6322	1	1989	
6273	36641	A	6323	1	3285	
6274	36642	A	6324	3	4732	
6275	36643	B	6325	1	2693	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6276	36644	A	6326	603	2976	DNTARGTIRQQHLLFTNIRCSA ASAAADTQANRVWSGPPANSNR PAAARVLTVRRKTNKQKGHPH QNPICTSFSSKTKETQITIREYY KHLVYANRLENLEEMDKFLDTY TLPRLNQEEVESLNRRITSDIE AIINSLPTKKSFGPDGFTAIFYQ RYKEELVPFLLKLFQSIKEGIL PNSFYEAIIILPKLGRDITKKE NFRPISLMNIDAKILNKILANRI QQHIKKLIHHQDQVGFIPMQG WFNICKSINVIHHMKTDKDKNH MIISIDAFAKAFDKIQPFMLKTL NKLIGDGTLYKIIRAIYDKPTAN IILNGQKLEAFPLKTGTROGCPL SPLLNFIVLEVLARAIRQEKEIK GFQLGKEEVKLSLVDEMILSL ENPMVSAKNLLKLISNFSKVS YKINVQKSQAFLYTSNRQTESQ IMSELPFTIASKRIKYLGIQLTGD VKDFFKENYKPLLNEIKEDTDK WKNIPCSRVRGINIMKMAILPK VIYRFNAIPIKLPMTFFTELEKTT LKFIWNQKRARIKSLSQKNK AGGITLPDFKLYYKATVTKTAC HRVGRAQQHSISKWKWYIHDW SQVGPEGTNDSARYPDITQKW TAAALQPLSRITSLKDSHEGKSS QWAELEAVHLVLRFAWKEKW PDVQLYTDSWAVASGLAGWS GTWKKHDKWIGDKIEWGRATP VIAQWAHEQRGHGGRDGDYA
6277	36645	A	6327	3193	6107	SMKTGLEKKMKRNEQSLQEIW DYVKRPNLPLIGVPESDGDNAT KLENTLQDIIQENCNPLARQANI QIQEIQTTPQYSSRRATPRHIIV RFTKVEMKEKMLRAAREKGRV THKGKPIRLTAALSAETLQARR DRRPIFNILKEKNFQPRISYPAK LSFVSEGEIEYFTDKQMLRDFL MTRPALKELLKEALNMETTGA PRFIKQVLRQLQDLDTHTIITG DFNTPLSTSDRSTRQKVNKDIQ ELNSALHQADL
6278	36646	A	6328	1	1808	
6279	36647	A	6329	1	4695	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
6280	36648	A	6330	1	2915	MIMGDFNTPLSTLDRSTRQKVN KDTWELNSALHQADLIDYRTP HPKSTEYTFFLAPHHTYSKIDHI AGNKALLSKCERTEIHTNCLSDH SAIKLQLRIKKLTQNHSTTWKL NNLLNDYWVHNEMKAEIKIF FETNKNKDTTYQNLWDTFKAV CRGKFIALNAHKRKQERSKTD RTSQLKHLENQEQTTHSKASRRS WFFEKINKIHRPLARLIKKKREK NQIDAINKDKGDIITNPTEIQT REYKHLTYN
6281	36649	B	6331	1	6730	
6282	36650	A	6332	1	378	
6283	36651	A	6333	3	1700	
6284	36652	A	6334	1	1759	
6285	36653	A	6335	2	409	
6286	36654	A	6336	1	2051	MFGRSRSWVGGGHGKTSRNIH SLDHLKYLYHVLTKNTTVTEQ NRNLLVETIRSITELIWGDQND SSVFDFLEKNMFVFFLNLRQK SGRVVCVQLLQTLNLFENISHE TSLYLLSNVYNSIIVHKFDFS DEEIMAYYISFLKTLCLKNNH TVHFFYNEHTNDFALYTEAIKF FNPESMVRIAVRTITLVYKVV DNQAMLHYIRDKTAVPYFSNL VWFIGSHVIELDDCVQTDDEHR NRGKLSDLVAEHLDDLHYLND LIINCEFLNDVLTDDLNRFLFLP LYVYSLNQDKVFLIHHAPLV NSLAEVILNGDSEMYAKTEQD IQRSSVLPTLSSLWQGSLSLNLQ LQSGLHKCSSHLGCAQAADDS VTGEIPAIRSEWLISAGSKART FFFLKMLIGFWEKVDCEYQRR QVLSTRLQALPSNRLTDVAAV HSSCMLGFGSTAPRGSWIGDPA AVHLPLPGELAEHLGSKGTTTV TKHQPPQAKPSIRCFIKPTETLER SLEMNKHGKRRVQKRPNYK NVGEEDEEKGPTEDAQEDAE KAKGTEGGSKGIKTSGESEIE MVIMERSKLSLAASSTVQEON TTDEEKSAATCSESTQWSRPF LDMVYHALDSPDDDYHALFVL CLLYAMSHNK/GKSPEKEEGLS GTQSHPGKAGTFGKEGAERK
6287	36655	A	6337	2	2753	
6288	36656	A	6338	1	577	
6289	36657	A	6339	1	849	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
6290	36658	A	6340	1	1293	
6291	36659	A	6341	1	861	
6292	36660	A	6342	154	6208	RRAPGKIPGQASAFGLGRTWSRP CLRTQLCVIVSCLAKAGVQGYL VGSPGGAKRFLFSERTGFSFKL AAMSSWLGLGSLGQSLGQV GGLASLTGQISNFTKMDLMEG TEEVEAEIPDSRTKEIEAIHAIL RSENERLKKLCTDLEEKEHASE IQIKQQSTSYRNQLQQKEVEISH LKARQIALQDQFLKLQSAAQSV PSGAGVPATTAASSFAYGISHP SAFHDDDDMDFGDISSQEQEINRL SNEVSRLESE
6293	36661	A	6343	3810	5310	SQGTCPVDRPCNVSG*RI/SIEEI EAGRIPNPHLGPVEERLALHVL QQQGLVPEHVESRPLYSPLQPD IEQAFPSFGRKSRWIRVIPPRFF LRCIWNTNRDVLDDLSLTGEK MSDIYVKGWIMIGFEEHKQKT VHYRSLGGEGFNWRIFPFDFY LPAEQVCTIAKKDAFWRLDKT ESKIPARVVFIQWINDKFSFDD FLDPYAIVSFLHQSQKTVVKN TLNPTWDQTLIFYEIEIFGEPAT VAEQPPSIVVELYDHDITYGADE FMGRCICQPSLERMPRLA WFL TRGSQPSGELLASFEIQLREKPA IHHIPGFESEDTLPPPPQREA NIYMPQNIKPAQLQRTAIEILA WGLRNMKSYQLANISSPSLVVE CGGQTVQSCVIRNLRKNPNFDI CTLFMEVMLPREELYCPPI TVK VIDNRQFGRRPVVQGCTIRLSLES FLCDPYSAESPPQGGPDDVSL LSPGEDVLIDDDKEPLIPQNYA
6294	36662	A	6344	1	527	
6295	36663	A	6345	5251	5711	PPQRGPSSSCYSRSQRVSVRCP SRHRPSAASPRGRPSGRSGLLA GLRLWAGAGCFQCPCLQRL FSPEALRPQAPAHKGLFSGSLW PQQRSHQGLRAAATS*DRRAAG ALCKWCPRPSGTPRGEHLS*EN ESLPP**RWAHQTAPEQSQTS
6296	36664	A	6346	1	924	
6297	36665	A	6347	1	894	
6298	36666	A	6348	1	525	
6299	36667	A	6349	6	343	
6300	36668	A	6350	1	2693	
6301	36669	A	6351	26	353	
6302	36670	A	6352	1	9182	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, \~possible nucleotide insertion)
6303	36671	A	6353	1	8655	EA AKDLADIAAFFRSGFRKNDE MKAMDVLPILKEKVAYLSGGR DKRGGPILTFPARSNHDIRIQE DLRLISYLACIPSEEVCKRGFT VIVDMRGSKWDSIKPLLKILQE SFPCCIHVALIIPDNFWQKQRT NFGSSKFEFETNMVSLGLETKV VDPSQLTPEFDGCL EYNHEEWI EIRVAFEDYISNATHMLSRLEEL QDILAKKELPDLEGARNMIEE HSQLKKKVIKAPIEDLDLEGQK LLQRIQSSESF
6304	36672	A	6354	1	1338	
6305	36673	C	6355	152	404	
6306	36674	A	6356	137	1278	MDSQPNSTRGQSGRR/MEIKGI QLGKEEVKLSLFADDMIVYLEN A/TSQPKISLS**ATSAKSQDTKS MCKNKHHSYTPITDKQRAKS* VNHSQSLLQRE*NT*ESNL*GT* RTSSRKTTNHCSMK*KRIQTNG RTFHAHG*EESIS*KWPYCP*F IDSMPSSSYQ*LSSQNWKRL SSSYGTTKKEPASPSQS*AKRTKL EAS/LLPDFKLYYKATVTKTAW DMDEAGNHHSQQTITRTKNQT PHVLTHRWELNNENTWTQEGE HHTPGLVVRSPDPEQNFKAVR CLDLPD/PSSSFLAVLTFHFKA FLQSLR*DKPRS/SPALGTWHKP *KITPKKQ/HQAITKPNTYEYRTA VKPSVVGALPDINSFLKLGGLH RITNGCLLD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6307	36675	A	6357	1	2569	MRTKTQHTRISWDAFKAVCRG KFIALNAHKRQERSKIDTLTS QLKELEKQEOTHSKASRRQEIT KIRAELEKIEETQKSLQKINESRS WFFERINNDRPLARLIKKEKREK NQIDTIKNDKGDIITDPTEIQTIT REYYKHLVANKLKNLEEMDKF LDITYTLPRLNQEEVESLNRPTIG SEIVTIINSLPTKKSPPDGTAE FYQRYKEELVPFLKLQFSIEKE GILPNSFYEAIIIPKPGRDTTK KENFRPISLMNIDAKILNKILAN RIQQHIKKLIIHDDQVGFIPGMQ GWFNIRKSINVIQHVNRADKDN HMIISIDAEKDFDKIQPFMLKT LNKLGIDGTYLKIIIRAIYDKPTA NIILNGQKLEAFPLKTGTRQGCP LSPLLFNIVVEVLASAIRQEKEI KAQNLLKLISNFSKVSQYKINV QKSQAFLYTNNRQTESQIMSEL PFIIASKRIKYLGIQLTRDVKDLF KENYKPLIKEIKEDTNKRKNIPC SRVGRINIVKMAILPKVIYRFNA IPIKLPMTFFTELEKTTLKFIWN QKRAHIAKSILSKQKNKAGGITLP DFKLYYKATVTKTAWYSYQNR DIDQWNRTEPSEITPHIYNLYIF DKPEKNKQWKGDSLNFNKGW ENWLAIWRLKLDPPFTPYTKI NSRWIKDLNVRPKTIKLEENL GITIQDIGMGKDFMSKTP/TSNG NKRQN*QMGSNETKELLHSKR
6308	36676	A	6358	1702	2252	FLSLFFISLASSLSILIIHIMNSW IPHSPIFDLNVESRLCPLGDIM M*IPLTWYLVTCITLSREITTV PRGLARLWSFTRICPRTHCKPIP A/VLLRAGCPPSCWWDQDTHS QLPSKRSSYLFFCTVTEYPFLO *WP*NHGTPC*TAPLWSMF/PCS CWYPVTGPGVSCSPSCVQVFSL FISHL*VRTCGVWFFVLAIVC*E *WFPASSMSQAVLVTVL*YSL KSGSVMPA/FSFGLGLTWRCR LFFGSIRTLK*IFPIL*RKSLVA* WGWH*YKLRWAVWPFSSRY*F FLPMSM/VMFFHLFVSSFISLSS GL*FSLKRSFMSLVSWIPKYFIL FEAIVNGSSLMIVLWVCLLLLH KNACDFCTLILYPETFLKLLISL RRFVAETMGFSRYTIMSSANR DNLTSFFPN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6309	36677	A	6359	207	1209	IPRHHPPKTKPGRS*/TP*IDQ*Q ALKLRQ/CINSLPTKKSPGPDGF TAKFYQSPSLTGKNDKEPEILPY FHADFLVVPGTHQASPVLMVL GHKSPFHRNSPPSVCMANFFQT KPPSQSIHNAVNTHTDPLFLVL LKDRGLLVWCHESQGDLELWH LVLLDSKCCFGSMTHRMEWSG PSAAGLLEFAGGPLQTLFAVVS AVEAAEQRIILLNSKCCCLIPLE ALSQRGIWPPWQGSVPVRPWTTT TLWPVRNQTQQTSLMPCQL EGKEPLALPTKEAEIEGRRTGEI KKVERDSNTNKEELLLDLAFK VSSFLDKLEEVVELLVIGELQL YPSK
6310	36678	A	6360	544	678	AFHHVSFGCINVFF*EVSVHML CPLFDGVVFFLVNLEFFVDSG
6311	36679	A	6361	7	94	VRTSGVWFFVLAIVC*E*WFPA SSMSLIY
6312	36680	A	6362	381	431	ATKQDSVSKKKEEEEEEEEEEE EEEEEEEEEEEEEEEEKEK/GNK ERKK/DKGKARQVQARQIYLLS LHLGRIRKVPNNKA*SSCP
6313	36681	B	6363	1	603	
6314	36682	A	6364	1	987	
6315	36683	B	6365	1	444	
6316	36684	A	6366	977	1177	RTSISSPVSTCSPLVMTLLPQP TVPWWRMWRPCTQ*RNAITFSP AVAMGLPVEAVICLSV*DSPA
6317	36685	A	6367	1148	1395	
6318	36686	A	6368	33	663	VHVLGDDTDETNHHSQQTIA RTKNQTPHVLTHRERLSLRGL HSCAYSLHRWLGAHQKGS NTKGGCGGQGPRTSERGPASGEF SENCTSLGQRGVFSPPRRALL HSPSDGVSPLGAVDSSP/PASTR RDWSHWAVGKPSPEREPAGKV T*TTTQLQPASP*REHPLLSQH GHCLKISLPLLLPTVLSPPPLSLC SNVTFSTRPLT
6319	36687	A	6369	1	1314	
6320	36688	A	6370	120	410	
6321	36689	A	6371	1	492	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6322	36690	A	6372	3	945	EEVPRSMKSKKKRKRKRKRKR EEEEEEEEEEEEEEEEEEEE EERRVEGEGEEEEEGEKEKID PSHLEKMYVRNKNMTMYEVCLM PIGIKQVNVGAMQCILVAPYIS PIVGVINFDQVNSQGGGSKME DGIHFRGKVMHLHVGRKRQRVK KGLGYAFISSMKTNEYTKLVVP EWGLAEKIPKNVEATLELGNRR SKKTGGILPLLWNFELERDEL GYLVEEISKQPSIQMTWLLK AFRFQEAEPKSSLENLNDNVIE KKNPFSGKFMLEAEICISNEE WNGVNPQDYGKWLQGMA EVFTATPSITGLEA
6323	36691	B	6373	1	792	
6324	36692	C	6374	348	884	
6325	36693	A	6375	1	588	
6326	36694	B	6376	1	5339	
6327	36695	B	6377	520	3146	
6328	36696	A	6378	1	2044	
6329	36697	A	6379	1	585	
6330	36698	A	6380	1	2433	
6331	36699	B	6381	53	441	
6332	36700	A	6382	2	425	
6333	36701	A	6383	1386	2569	FLRKHRESGKDEEMTALCSFPG VAGEDELQVIQPEKSVSVAAGE SATLRCAMTSLIPVGPIMWFRG AGAGRELIYNQKEGHFPRVTTV SELTNRNNLDFSISISNITPADAG TYYCVKFRKGSPDDVEFKSGA GTELSVRAKPSAPVVSQPAVRA TPEHTVSFTCESHGFSRDLTK WFKNGNELSDFQTNVDPAGDS VSYIHSTARVVLTGRDVIHSQV ICEIAHITLQGDPLRGTAANLSEAI RVPPTELVTSQPIRAENQANVT WQVSNFYPRGLQTLWLENGNV SRTETASTLIENKDGTYNWS WLLVNTCAHRDDVVLTCQVEH DQQQAVSKSYALEISAHQKEH GSDITHEPALAPTAPLLVALLLG PKLLLVVGVSAIYICWKQKA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6334	36702	A	6384	1	2453	MEPAGPAPGRLGPVLCLLLAAS CAWSASRQLPAVQVLRGDVTC GSDHVFLLAYIKHLAVAGRRRA LKATVHVHQRTLLRPGGCGSV PGKRAVTLISKSDGQPAPPGA PAGNTNTFLVCSCGFPDLQSSR GPERALCAFIQCLMVRPEQRE KNWPGPRGRSMARPGWNAKPP VVQAKAFKNWAVLELSTVSAR NLTGSRJPRENTKVILIGTIWVL CFLGSA LGVCDPGGTHSLAM HVVFPGVGSNNPSIVIIIRPIL QIKSQRSRVGETTFPGVSWVAEL ESKSKHTFSQCCALLQPWGRK LSSCSQRTYNLLVCIQSMNVI DKHLRKHGRSVAGEEELQVI QPDKSVLVAAGETATLRCTATS LIPVGPIQWFRGAGPGRELIYNQ KEGHFPRVTVSDLTRNNMD FSIRIGNITPADAGTYCVKFRK GSPDDVEFKSGAGTELSVRAKP SAPVVS GGAARATPOHTVSFTC ESHGFSPRDTILKWFKNGNELS DFQTNVDPVGESVSYSHSTA KVVLTATREDVNSQSFW*GPTVT LQGDPLRGATANLSETIRVPPTLE VIQQPVRAENQVNVTCQVRKF YPQRLQLTWLENGNVSRTETA STVTENKDGTYNWMWLLVN VSAHRDDVKLTCQVEHDGQPA VSKSHDLKVSAPKPEQGSNTA AENTGSNERNIYIVVGVVCTLL
6335	36703	A	6385	1	405	
6336	36704	A	6386	91	2926	PACPSPLPFTNTDTHIDTSSPA SRSTRCLCISTHGVLAQSGGSSG GPAVPTVQRGIKMLVSGCAIIV RGQPRGGPPPERQNLNIRAGN LARRAAATQPDADKTPDEPWA FPAREFLRKKLIGKEVCFTIENK TPQGREYGMIIYLGKDTNGENIA ESLVAEGLATRREGMRANNPE QNRLSECEEQAKAAKGMWSE NGSHTIRDLYTIENPRHFVD SHHQKPVNAIIHVHRDGSVVRA LLLDPYYLVTV
6337	36705	A	6387	2	448	
6338	36706	A	6388	1	645	
6339	36707	A	6389	1	294	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
6340	36708	A	6390	23	321	RGREHTQGIPGAGKRWH*FKV LLTQ/CW*SEFSVIRQFKAGPGG LDQFRDRSK/RWLRDLRGRLLG SLNASLVLRALFSGNWGLTAN QL*LAVGAKGDPEA
6341	36709	A	6391	1	1599	
6342	36710	A	6392	1	561	
6343	36711	A	6393	1	1833	STLASSEGQGGFWRGPRALILL LLFLGPCHARSHDGKYSREKN QPKPSPKRESGEEFRMEKLNQL WEKAQRQERYPCRRRRRVKQV AAGTPRVFLKTPMEGVFELCRP SGPHYLISNAGVRLDLLNSPVL SIPESLRGKVNDLQNKKELLER KGRGETGLARPMHDLTAAQGG YGCALVHGAQVEGAGAGQGWA GTVHATCRGETGTACQEAALVT ATACSSCQRGQTRAPQGOHTL ESMGLNCLPQGAASGSDHHCG PRISDLPGSAARTSRWPASSELH LPPVRLAELHADLKIQUERDELA WKKLKL DGLDEDEGEKEARLIR NLNGHWRAEDAHQDGGVYNK WDIPTVVGVGVAIALVAVKL FFLPINIRCVLSSEPATLHSLQV ASVLWSLEFLPYGSRSPVVIQET VILAKYGLDGKKDARQVTSNS LSGTQEDGLDDPRLEKLWHKA KTSKGFSGEELDKLWREFLHH KEKVHEYNVLLLETLSRTEVHPG PQDGVASTGREHSPMETLQFEE LKHFEAKIEKHNNHYQK/QLEIA HEKLRHAESVGDRRSV*SASPR ESTPCLEGRTKGAGLPR*KKHL QDLSGRISRARHKRTLKALGS
6344	36712	A	6394	1	185	DFFDNSAQVTIAGIPCDIRHVSP RKIECTTRAPGKIV*GSPPLSQA EGFFLKLEMLLRDWN
6345	36713	A	6395	1	1512	
6346	36714	A	6396	117	268	QSLLELYLHLYLHLCYLHLANK QELTLTWYKE*CTFFLPSPV*NP HQNLA
6347	36715	A	6397	1	500	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
6348	36716	A	6398	1301	2565	TLLTILPFYLFKNRSTLTGYLR WILSTKLFLSTLWLAPTLFLIP/ LPDPHDCISLIHLAFTFPFHTSFF PIPHPDHTWFDGSSTWPNRHSP AKVGYAIVVSSTSIIEATLPPS TTSQQAELIALTRALALAKGLH VNIYTDSKYAFHILHNAVIWA ERGFSTQRSSIIASI.KTLLKA ALLPKEAGVIHCKGHQKASDPI AQGNAYADTKFLDLAFPLR LSFTCQITQAVSQALGIQWNLH TPYRQSSGKDWTVFLPLALHR IRARPREATGYSPELLYGRFTL LSPNLVPDTSPLGDYLPVLWQA RQEIHQAAANLLSTPDSQLYED TLAGRSVLIKNLTPQTLQPRWT GPYLVIYSTPTAVRLQDPHVV HRSRIKLCPSDNQPNLSSSWKS QVLPSTSLKVTLISEEQ
6349	36717	A	6399	581	2517	LFLGYSHTSLLPFPVQSLHL PLYLHTLTHKYGIPLPPWRPIM HPLPSH*NLITLTLNANIPSCST L*KD*SLLSLTCYSMAF*/QPIN PYNSPILSVQKPKPYSSFRVY SLFVESPTITIVPGPDFNLASHIIP DITPDYDCISLIHLTFPFPHVS FFPVPHPFHTWFDGSSTRPNCH TPAKAGYAIVSSTSIIEVTTLPHS TTSQQAELIALTRTLAKGLC VNIYTDPISTCTMLFYGLKCFLT MQGSSIIASLIKTLKAAALLPK EAGVIHCKGPKQKASDPIAQDNT YADKVAKKAASVPTSIHSSFS PSHLVTPTYSPETSTYQSLPTQ GKWFLDQGYLLPASQAHSILS SFCNLFHVGKPLARLSELLISF PSWKSILKEITSQCSICYSATPQ GLFRPPFPKHQAWGFVPTQD WQIDFTHPQVQGLKLYLLVW VDITFGWVEAFPTGSEKATVVI SSLLSDVIPRFLCPTSQSNNGLA MISQITQAVSQALGIQWKLCTP YHPOSSGKVKWANGLLKTHLT KLSLQKKDWTVLLPLALLRIR ACLRNATGYSPELLYRCSFLL GPSLIPDTRPTWTAPPKTWHPY YLLSSHTPIHRSQLLIHALLLFTL PVYTVSPSHHS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6350	36718	A	6400	281	1095	DCSKNRHSQVIAEGNICKIQE VRRKEDTQGEKDPESLLPL LAPGPT/YSTYYNISVAKAELL NKLKDQPEMAEIGLGEEDVDH ELAQQKIQLIESIRKLSVLREA QRGLLEDINANSALGEEVEANL KAVCKSNEFEKYHLFVGDLDK VVNLLLSLGRLARVENALNSI DSEANQEKLVLEKKQQLTGQL ADAKELKEHVDREKLVFGMV SRYLPODQLQDYQHFKMKS LIJERELEEKILGEEQLKCLR ESLLGPSNF
6351	36719	A	6401	1	972	
6352	36720	A	6402	514	736	
6353	36721	B	6403	446	991	
6354	36722	A	6404	521	903	NIKPASQISPG*/*VHSSPTQRLS APPSAA/GRLLSLSLPAGLVGGD TARCIPAGRLRPLCSWLDPGKL LHLSLKSXGSGRSGAGTLQEG NQSVCIQAEKPLKPAIQTSQ MNVLCRAYSWVIDWD
6355	36723	A	6405	11	545	
6356	36724	A	6406	3	2920	
6357	36725	A	6407	1	2388	
6358	36726	A	6408	275	479	
6359	36727	A	6409	1	3810	
6360	36728	A	6410	7	1047	
6361	36729	A	6411	1	705	
6362	36730	C	6412	304	638	
6363	36731	A	6413	99	759	WAYLDFWM*HIPHLGVLL/SAH LLSDLNSCF*MGSRTEGSATG PGSCSAALPLGPDPAADPMVLE VSMADRDASPHDPLAKFLFPVP MTLHLSALLEVLVPEGGTLPPGD TTTIPLNW/IVKIAT*TLWVPTF KFTGCRNLNTMWKLPRLGASTL *SNSLRCTLTFSHDWSGWDAG HQVIRPHGFAGYNTCGCFHRL MLSACGFSRQMVQAVNGSTTL GSGG
6364	36732	A	6414	1	685	
6365	36733	A	6415	1	1359	
6366	36734	A	6416	3	7714	
6367	36735	A	6417	1	723	
6368	36736	A	6418	1	528	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6369	36737	A	6419	38	530	HSPRRSAASLLSQRDHEPHQKE ETPNTSEHQKEKTPDTPPLRTV TLTVRVHGFLEIVSETKNPPIPD TKLRG/ERLQGFGLAGERSE/GC RPSP*VLQLIKAVVTQRLGGR WDWAPWSRRWCSSGRLRPHR NQWSGWEAQAWGLQVPEPCP AGRQLRPGEKSSTAP
6370	36738	A	6420	1	649	
6371	36739	A	6421	1	987	
6372	36740	A	6422	1	924	
6373	36741	A	6423	1	435	
6374	36742	A	6424	1	147	
6375	36743	A	6425	1	1107	
6376	36744	A	6426	3	913	
6377	36745	A	6427	1	159	
6378	36746	A	6428	313	1083	
6379	36747	A	6429	1	1245	MAQELRDTCTSFSSRFQDQVEER VMVIEDQINEMKQEEKFREKR VKRNKQSLQEIWDYVKRPNLR LIGVPEKNLEETDKFLDITYTLPR LNQEEVESLNRPTDSEIEAIINS LPTKKSSGPDGFTAIFYQRYKE ELP/RQRHNKKREF*TNIPDEHR CKSPQ*NTGKPNPAAHQKAYPP *SSGLHPWDARLVQHTQINKRN PAYKQNGQKPHDYLSRCRKG L*QNSAALHAKNSQ*IRY*WDI SQNNKSYL*QTHSQYHTEWAK AGSIFPENWHKRGMPSLTTPIQ HSVGGSGQNGQAGERNKGYSI RKRGSQIVPVYR*HNCISRKPH HLSPKSP*AGKQ/SSAKSQD/DKI NVQKSQAFLHTNNRQTESQIMS E/APIHNCYKENKISRNPYKGC EGPLQGLQTTAQRSKKGHKQI
6380	36748	A	6430	39	314	KSECLITYTKGSQRLASNGTKLD GE*L**VDRIRLQKIGNDKLLPA KGGCSNPQRS*KPRKKIRQMA N*NKQHRGDLK*PDGAENHGT RTT
6381	36749	A	6431	213	843	VDRSRLQKVSNNKLL*AKGEC NPLQGS*KP*KKIRRMAN*NKH CREDLK*PDGVENNGTRTS*FM HKLQ*PI*SSGRKGISD*R*N*N KIHQG*NEGKSVKGSQRESSY PQRKAHQTNSSGLSRNPSTQKK VGANIQHS*RKEFSTQNFISSQT KLHK*RRNKIFYRQADAERFCH HQACVTRAPEGSTKHGKQPV PAPAKTGQIV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6382	36750	A	6432	1	2112	MRAFVVLMDVSKLPSEGGPG LRSNQQHMRMFLTSVDRGSVS LLADAVAAATPQGKTSQPRGPS NLAAADLRVAEESGMENFLK MSFDSIRPAQDGGCTPEISMVTP SPGWSVHTGDLGDHPLPRMVS AHRRSRWSPPPQDGGCTPEISM VIPSPGCSVHTGDLGDHPLPRM LSAHRRSRWSPPPQDAQCTPEIS MVTSPGWSVHTGDLGDHPLP RMVSAHRRSRWSPPPQDAQCT PEISMVTPSPGCSVHTG
6383	36751	A	6433	1	648	
6384	36752	A	6434	1	1539	MLVSFVSLGSLCLQPGSQTLLE KNRTVKPHVSFTLLPALSHVSE KNEAESMNSLIPPPNLHTPAQ APFPLPTKEQDRSSSPATEQSW TENDFDELTEVGFRRSVITNSSK LKEDVRTHCKEAKNLEKRLHE/ SAN*NQCCREDLK*PEAEIHGT RTS*HMHKLQ*PI*SSGRKGVSD *GSNQ*NK*WGEWNQVGKHS A GYYPGELPPSKAGQSHNSNGNT ENTTKILLEKSNPKTHNCQIHQ G*NEGKSVKGSQRERTREARA NKFKS*QKARYN*QCRTERD RNTENPSKN**IQEPVF*KDQQN **NASKTNKEEKREESNRNRKK **KNRTVKPHVSFTLLPALSHVS EKNEAESMNSLIPPPNLHTPAQ APFPLPTKEQDRSSSPATEQSW TENDFDELTEVGFRRSVITNSSK LKEDVRTHCKEAKNLEKRLHE WLTRINSVEKTLNDLKLKMSMA RELHDTCTSFNSRFDQVEERVS AIEDQTNEINNGENGTLENTL QDIIQENFPNLARQANIQEIERR TPQRYSSRKATPRHIVRFTKVE MKEKVLRAAREKGLERQEQTN SKASRRQDITKISAELEIETQK TLQKINEFRSRFFKKINKIDKTL ARLIKKKREKNQTDIAKNDKR DITTDPTIEIQTITREYKHL YAN KLENLEEMDKFLDTYTLPRLNQ EEAESLNRTITGSEIEAINS LPT
6385	36753	B	6435	137	586	
6386	36754	A	6436	129	506	
6387	36755	A	6437	1	237	
6388	36756	A	6438	182	1034	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6389	36757	A	6439	203	650	SAIVCGSPRLRLMQAVSSRINSA HSRGAIYSQASSAAACPSVSI AF LRR*IEANVS/WIRTLSTLCTPK CGPGFKHRIVLCKSSDLSKTFPA AQCPPEESKPPVRIRCSLGRCP PP RWVTGDWGO/CDSRDFRPGRR RRDFCRNCRAGAGAH
6390	36758	A	6440	207	426	AECTRCAPK/HSCYPVLLIVVS P*KKQNCSLGELSCWRRRES CRS SWSNKALPSLTRCLRGFV CGLS CYKGSS
6391	36759	A	6441	524	783	TAVLAARISNQWILSCWS/AVG CTPKCGPGFKHRIVLCKSSDLS KTFPAAQCPPEESKPPVRIRCS LG RCPPPRWVTGDWQGLSPTREK
6392	36760	A	6442	1	1524	
6393	36761	A	6443	1	8738	
6394	36762	A	6444	1	642	
6395	36763	A	6445	1	549	
6396	36764	A	6446	8	434	
6397	36765	A	6447	1	2922	
6398	36766	A	6448	18	1158	FLDFDCPYGSAHITGLRFWLPW YRKRQRYWGSNGCMPPPSLR VPERCPSHTEPRNL TGA*ELLLL GLSEDELPQLAGLSLSMYLVT VLRNLLISLAVSSDSHLHTPMC FFLSNLCWADIGFTSAMVPKMI VDMQSHSRVISYAGCLTQMSLF AIFGGMEENMLLSVMAYDWF VAICHPLHYPVIMNPHLGVFLD LGAFLLSLLDSQLHSWIVLQFTF FKNVEISNFV*DPSQLNLACSD SVINSIFIYLDSIMFGFLPISGILW SYANNVPSILRISSSDRKSKAFS TCRSHLAVVCLFYGTGIGVYLT SAVAPPLRNGVVASVTYAVVT PMLNPFYISQRNRDIQSALRRLR SRTVESHDLLHPFCVGGKKGA
6399	36767	A	6449	2	1535	
6400	36768	A	6450	1	635	
6401	36769	A	6451	222	1040	
6402	36770	A	6452	2	1135	
6403	36771	A	6453	1	576	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=-possible nucleotide deletion, \=possible nucleotide insertion)
6404	36772	A	6454	2	694	QCGGIQRSHGWSWSEASDSVW QLQSMWMLDKLTGVFAPRPST GPHKLR/ECLSRIFLRNRLKYA LTGDEVKKNCMQRFIKINDGKV RTVDITYPVGFMDVVISIDKTGR EFPVLIYDTKG/RAFAVHRITPE EAQVPSCAKVRRDLCSGAQKGIP HLVTHDARTIPLRSPSSKVNDA TIQNDLEDWARFT*FSSKFDNW *TCCMGDWEGA*P*GRNVVLI HQQRRRAPWDLF
6405	36773	A	6455	1	243	
6406	36774	A	6456	3	766	
6407	36775	A	6457	1	741	
6408	36776	B	6458	500	8643	
6409	36777	A	6459	1	7863	MKPRTLTVRVLTALKVARLESV PSDVQMCSEFLPSDSAQLASP SGSRRTGAAGGAAYQSCAVLPH SSALWVVDGTRCRGAGGSAHQ GGSATQEPTEVERVEGSGMAGCR SRVLPHWKAANVLGMSVESAP AVEEEKGEELEQKEKEEEDTS GNTTHSLGAEDTASSQLGFGVL ELSQSQDVEENTVPYEVDKQL QSVTTNSGYTRLSDVDANTAIA HEEQSNEDIPIAEQSSKDIPVTA QPSKDVHVVKQNPPTA
6410	36778	A	6460	2	669	ERRRRRLTIPCPPHAPPTGGQ ACRENAEGIL*AANTSEPGKDA EK*KIKV*LAP/CSHSGSSLQSDP HFGCSLGPS/DPALGLSGCILPPC SGSYLAAPNRSRIKPKPLPW/H /ESYLPASVVRPHGTQAPGLWPE RGL*PAGFLRPEPVRAASER/Q EAVSPER*VPRPPKAQQLHGQS PDPSSLCTALRQDHTHWLDARS VYPDWRGQWPPLHQDCGHG GWR
6411	36779	B	6461	241	369	
6412	36780	A	6462	1	510	
6413	36781	B	6463	1	630	
6414	36782	A	6464	229	561	SCRGYSRILLFHKKSSWCSQVIS IFRYNIICSRLPKSWKWRLPVY MNWL*YHWFQYHSSINFISFR SMWFIHNFKRSPAFILSGSWIS IARWQIFVFFTFGSRTKV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=-possible nucleotide deletion, \=-possible nucleotide insertion)
6415	36783	A	6465	1271	1710	TEGLGHRSSSETPGGAALDALTG ERPRVACFPAARGRLRPRRL MIGPFETGGGQRLTLRPRRRR QRRRP/WQGLERPHVRNWGIEL ETLRDAFRPQPSVWRTARGEA GKRKGRLVECLGSQRKVLGV LLYAVTRGSPFNLFTRD
6416	36784	B	6466	1	772	
6417	36785	A	6467	1	1272	
6418	36786	A	6468	3	236	
6419	36787	C	6469	1	457	
6420	36788	B	6470	148	324	
6421	36789	A	6471	1	1407	
6422	36790	A	6472	1	651	
6423	36791	A	6473	619	835	
6424	36792	A	6474	52	535	
6425	36793	A	6475	319	647	LCRRIMYFCVMKNWMQSLW KLCTNKR*RIDKPTLHQVVVRK *LTPLMKNQVDSLELLETRSL KKDPVELGSKSLRRCCQTEPV NLLPHVSIKTKI*SRILRLQRP
6426	36794	A	6476	39	515	
6427	36795	B	6477	1	807	
6428	36796	A	6478	3	247	GANICCW*GLQE/VFHSW*KTQ EPSWLHLVDPTTGLQVELPASP APFARIPQPLGGRWDWAPWSR GWCSSGRLGQHRSPWSG
6429	36797	A	6479	27	363	
6430	36798	B	6480	1132	1268	
6431	36799	A	6481	1628	2008	
6432	36800	A	6482	953	1087	
6433	36801	A	6483	2	443	QLAGRCGGRGMSGNRGC/WGA CGPAGVPGG/CWAWCALHSEE PASPALRSISRRLAAFPGRAR DLQAMPPEPTPSVGSAAQAS PTSAAPCSMAPSIDHPRAEECV ARRGTGRHDELIVALPFMMIPW HSSIQPFTHPFNWNFG
6434	36802	C	6484	175	423	
6435	36803	B	6485	122	608	
6436	36804	A	6486	644	1149	KTMHWKAPLMSWHMRASSQ KQTRTGTQT/MEAQLQLQRY QEALLQVLRKGEKAFNMGN SEVLQRADESCSQFYERLYEAF QLCSPFDPEATENQCMVNAV VGQTQGDIRRLQKLECFMG NVTQVLEVATKVYTNCEEETQ GKGQFAGGSTYKGGCECPKTK
6437	36805	A	6487	1	2847	
6438	36806	B	6488	329	742	
6439	36807	A	6489	1	1035	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6440	36808	A	6490	13	630	INPPPPFRPEPPSSNSPKMTDH KGERGEATRYMFSRPFARKHG VVPLGPHICRIYRKGDIVDKG MGYCSKKGIATKCYHGNLE GVLPMLPQHACWPFVYNQFVL GQSFFPRELMCRJEHI*ALLRAR DKLPETVLKENDSEKERSPNEK GTWGSNLKRHPGSTPEEAHFV RTQWGRSLELAGTLFPMNFMG IIGVKEIK
6441	36809	A	6491	1	1020	
6442	36810	A	6492	1	330	
6443	36811	C	6493	250	372	
6444	36812	A	6494	1	345	
6445	36813	A	6495	2	335	TVRAYNVQHAVGIVVNRQVK GKIPAKRINVGIKHKHST*EN FLKRMKENDQKKKEAKEKVT WIQLKHQSAPPRE/AQCERTNG KEPELLEPLPYEFMHTYIHIYV CVH
6446	36814	A	6496	2	490	
6447	36815	A	6497	150	536	NCKISFLHFCYIFVKALKRISAL SRGKILAKRINVRIEHIKHSKSR DSFLKRVKENDQKKKEAKEKG TWVQ/RKAPGKNLVYISLVLRA L*G*DLTHHIIILFPFFL**PAPP REAHFVRTNGKEPELL
6448	36816	A	6498	54	553	
6449	36817	A	6499	131	803	TMFCQTGSSVRRVGGPWAEN RTAMLRPCGGTFARKTRLRLG NSPKMNEQQRGKRRGTPIIMFS KGLLRKHGVVPLAHIFMR\YK \KGDIVRHPRGMGYLVPKREL PQSCYPWPKPGRSLTNVTPAML VGHLL*NKQV*GQRFPLKRN MWRI*APFRHFLRSPRLASLKT CGRENGSRKKERPKPGGKVTV GFQLKRRHLGFPQPEATFLK EPIGREGP
6450	36818	A	6500	1	489	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6451	36819	A	6501	29	2028	ENEEEGKMASTDYSTYSQAA AQQQYSAIYTAQPTQGYAQTT QQAYGQQSYGTYGQPTDVSYT QAQTTATYQGTAYATSYGQPP TGYTTPTAPQAYSQPVQGYGT GAYDTTATVTITTQASYAAQS AYGTQPAYPAYQQPAATCPT RTED* ¹ ANKPTETSQSQSSTGGYN QPSLGYGQSNYSYPQVPGSYP MQPVTAPPSYPPTSYSSTQPTS DQSSYSQQNTYGPSSYGGQSS YGGQSSYGGQPPTSYPPQTGSY SQAPSQYSQQSSSYGQSSFRQ DHPSSMGVYQGESGGFSGPGE NRRSMGPDNRGRGRGGFDRGG MSRGGRRGGRRGGMGSAGERG GFNKGGMDEGPDLDLGPV DPDESDNSAIYVQGLNDSVTL DDLADFFKQCGVVKMNKRTG QPMIHIYLDKETGKPKGDATVS YEDPPTAKAAVEWFDGKDFQG SKLKVSLARKKPPMNSMRGGL PPREGRRMPPLRGPGGPGGP GGPMGRMGRRGGDRGGFPPRG PRGSRGNPSGGGNVQHRAGDW QCPNPGCGNQNFWRTECNQC KAPKPEGFLPPFPFPPGGDRGRG GPGGMRGGRGGLMDRGGPGG MFRGGRRGGRRGGFRGGRGMD RGGFGGRRGGPGGPPGLME QMGGRRGGRRGGPKMDKGEH
6452	36820	A	6502	1	693	
6453	36821	A	6503	3	657	
6454	36822	A	6504	1	434	
6455	36823	A	6505	208	443	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6456	36824	A	6506	3	2650	LLPAFLLLCSDSHLQFCSQFAP RKTQGSQSVNNIQANIIAKKSN NHLMKKNQDKFKDLPMAGH PIHHQAQGGGAKNPQEQRRP MGQTTLPAEQEESRVKCKNCG AFGHSARNKTCPIKRWGALPL QVLGSHKEKENLKPAKALPFT TPGPFTTNDREKERSPSSTMNPS EMQRKASPRRWKHHNQTPSIH KVNKMVMSEEQMKLPSTKKA EPPTWAQLKKLTQLPKKSLEN TKVTQTPENTLLAALMIVST/A GAAAAANYTYWAYVPFPLIRA VTWMDNPIEVVYVNSAWVPGP TDDRCDDKPEEEGMMINISTGY RYPPICLGRAPACLMPIQNL VEVPTVGTTSRFTYHTGLLTFR DVAIEFSQEEWKCLDPAEDSY TRRKANSCKGPKYKNECGKAF TQNSNLTSHRHSSEKPYKCS ECGKTFTVRSNLTTHQVIHTGE KPYKCHCEGKVFVRHNSYLATH RRIHTGEKPYKNECGKAFRGH SNLTTHQLIHTGEKPFKNECG KLFTQNSHLISHWRIHTGEKPY KNECGKAFSVRSSLAHQTIHT GEKPYKNECGKVFVRGGRVSI GTTCLLSVFQVITVSSRSRAS ENRATQSILILAPPTSRGSGPGP ASVLRRLAQTRKMAWTESCT AACAFPSCLVLLYRGRGVPTDL QVPAFLFTSQSLKLRPGSRTKSS
6457	36825	A	6507	54	360	CSTMNPSEMQRAPPRRQRHRS RAPSAHKMNRMMSEEQMKL PSTKKAEPPTWAQLKKLTQLA KKKLENTKVTQTPENMLLAL KTVSTVSAGVPSSEESD
6458	36826	A	6508	525	3656	SSTMNPSEMQRKAPPRRRHR NRAPLTHKMNMVMTSEEQMK LPSTKKAEPPTWAQLKKLTQLA TKYLENTKVTQTPENTLLAAL MIVSMVVSLLPMPAGAAAAANY TYWAYVPFPLIRAVTWMDNPIE VYVYNSAWVPGPTDDHCPAK PEEEGMMINISTGYRYPPICLGR APACLMPIQNLVEVPTVGT TSRFTYHTIDLMTEKVVVLA EVLLRFLKPGEDPTARYVSNK KCQPSVDWPTTISQRRGY
6459	36827	A	6509	1	246	
6460	36828	A	6510	1	246	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
6461	36829	A	6511	1	279	
6462	36830	A	6512	1	363	
6463	36831	C	6513	109	245	
6464	36832	A	6514	2	429	LMTFCWDTPRQSGVPRRMPH TGTWRTVGIRCPKKKLRANS MMRGKVQFPFP/DIQA YGAAPF EDLQVDFREMPKCGGNKYVLV LGRTYSGWVEAYPTRTEKTR VTPVLLRDLIRRFPP/LWIGSDN GPAFLAALVQKTAK
6465	36833	C	6515	31	895	
6466	36834	A	6516	2	4735	
6467	36835	A	6517	263	418	
6468	36836	A	6518	120	295	YDPLPTWILGKISQRGAEEPAQ HPGCQL*LPPP/SPRTSSSPSCA GLTSVSPRPFPR
6469	36837	A	6519	1	1758	MKIRRRFPSSLQLSADLQVPVR KAPRQGVSQEKRTKPSLELMIS GTISQEDIRNNVTRGCTPPAIQR VISSPLLAIRNNVTEGVYTPCD TGGRVHLPPVILLISRDGGHDIS FNIAVDVHSPCDTDPNIQGVY DMTPNIAMNVQPPGISQKRCT LPAILGLISYASSVNIRSNITGWL YIDRYVGSVILYPLGIRMGVT GEMKGERRRGLHAATKWLEE HAPADYQNPQEYGRGTQLPGTQ PQLDPHEREDMQLNRDREAL LEGFKRGAQKATNVNKVSEVI QGKEESPAQFHQRCEACAKQ VLVNGDAVSREEKRKENERQA RRNADLLVSCSNQSGPPKEARE ELWTKDYRPGQDLRLLSQATL TFHPTVPSPTLLGLLPAEDSWF TCLDLKDAFFPIRSAPESQKLFA FQWEDPESALAKTVRQRCVSC RQHHA/GKVQFPFP/DIQA YGA AAFEDLQVDFTEMPECCGNKY LPVLGRTYSGWVETYPTRA EK AREVTRVLLRDLIPRLELPPRIG SDNGPAFVADLLQKTATVLGIT RKLHAASRPQSSGKGIQNNRTG GVVYTPCDIESHVILFRSGY
6470	36838	A	6520	1111	1342	MFVPHIGFQNTAALCLRLGLGVL FP*PVGFPAGSCLL*WNRHWH VPDFSCVTTPOEWCGGVSDVC CGHPHAEPHLQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, /=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6471	36839	A	6521	1	1144	MRGAQKATNVNKLSEDIQGKE ESPTQFYERLWEAYRMYTPFDP DSPENQRMIPMALVRQSAEDM RRKLQKQAGLAGMNPSQLLEI ASQVFVNRDAVSRKENGKENG GQARRYADLFSRTKNYQPVD LRLHQAQLTFHPTVPNPSTLL GFPPAEDSWFTCLDLKDAFFPIR LAPERQKLFAFQWEDPESGWPP CWRALAATAALLVQEANKLTG QKLNKASRAVVTLMNTKGHH WLTNATLTDYQTLLENPRITIE VCNTLHPATLLPVSKSPVKPGC VEVLDIDSSRPDLWDQPWASV DWELYLDGSSFFNPQGEVEG/S RGDTSELPPCWVCGIPALTQRL EKQHLPPSGHQGSLKHLIWDLL LLTKKRTFSSMI
6472	36840	A	6522	1	554	
6473	36841	B	6523	63	620	
6474	36842	A	6524	1	796	SRTKNYQPVDLRLHQAQLT FHPTVPNPSTLLGFPPAEDSWFT CLDLKDAFFPIRLAPERQKLFAF QWEDPESGWPPCWRALAATA LVQEANKLTGQKLNKASRA VVTLMNTKGHHWLTNATLTD YQTLLENPRITIEVCNTLHPAT LLPVSKSPVKPGCV EVDIDSS RPDLWDQPWASVDWELYLDG SSFFNPQGEVEGSRGDTSELPP CWVCGIPALTQRLKQHLPPSG HQGSLKHLIWDLLLLTKKRTFS
6475	36843	A	6525	3	2640	
6476	36844	A	6526	2745	3732	IRIGKNYFKVHMEPKKSPHRQV NPKPKEQSWRHHTT*LQTLQG YSNQNSMPGPTQPSTPAPGG NLRNPQSSDLLQVTKQQGQAL AIQREAPLHRIPAEIPWYFQP QPATQLGSPVPDPSSAMM/SR RAHRSRGPDROGYPLQGD*PGE PRPQEH*RGHSQERLPSSEKQTP ICPPAQATQHPEEDAHQPYKH LFQVCAHQGHVPAQRRN*PGY WERYHSAEDPELQPILAGLSLS MYLVTVLRNLLIS
6477	36845	A	6527	1	1860	
6478	36846	A	6528	1	1458	
6479	36847	B	6529	1	1503	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6480	36848	A	6530	3	515	TISQKRCTLPAILGLISYASSVNI RSNITGWLYIDRYVGGSHVILYP LGIRMGVGTGEMKGERRRGLHA ATKWLEEHAPADYQNPQEYGR TQLPGTQPQLDHEREDMQRL NRDREALLEGFKRGAQKATNV NKVSEVIQGKEESPAQFHQRCLC EAYRMYTPLDHDSPENQRMHI MALVRQSAEDMRRLKQKAG LAGMNPSSQLLEIASQVFVNRDA VSPKENSKEGGQARRHDDLF SPVEPDCVEVLDSIHSSRPDLRD QPWPSGDW/RTICGWEQLLP RRERCRCVCSNDNPGH/WLLKPHR CPRPLQARKLNSLLSLGP*NSTR DCVRPIVCILPLITIALKISA
6481	36849	B	6531	96	2524	
6482	36850	B	6532	61	2025	
6483	36851	A	6533	674	2913	
6484	36852	B	6534	120	1849	
6485	36853	A	6535	1	426	
6486	36854	A	6536	2	475	
6487	36855	A	6537	1	501	
6488	36856	A	6538	15	593	SMWWNSAREPCPWRIVDDCGG AFTMGVIGGGVFQAIKGFERNAP VCRLLSEAPLFIYSCSRVSPTV NVSSERAESRPTLFMAVSLHMA WCLAHIGIRHLRGSANAVRIR APQIGGSFAVWGGLFSTIDCGL VRLRGKEDPWNSITSGA/LTGA VLAAARSAPLAMI/VGSAMMGGI LL/ALIEGVSILL/TR*TATV
6489	36857	A	6539	2	557	RRFRASAMEEYAREPCPWRIVD DCGGAFTMGVIGGGVFQAIKGF FRNAPVGIHRLRGSANAVRIR APQIGGSFAVWGGLFSTIDCGL VRLRGKEDPWNSITSGA/LTGA VLAAARSAPLAMI/VGSAMMGGI GILFAPHLRAFGILLTRYTAQ/Q FRNAPPFLEDPSQLPPKDGTPA VTGYPSPYQYH
6490	36858	A	6540	223	2274	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6491	36859	A	6541	2795	3762	FLHFHLRNAVPHQQWNKAGW RMTLRS*EKKASDDQITLSYGR TFKPK/DKEVENFEQNLEECITR ITNTEKCLKELMELKTKARELR EECRSLRSRCDQLEERISV MED EMNEMKREGKFREKRIKRNEQ SLQEIWDYVKRPNLRLIGVPES DGENGTKLENTI.QHIIQENFPN LARQANVQIQEIQRTPQRYSSRI AIPRHIIIVRFTKVEMKEKMLRA AREKGRVTLKGKPIRLTADLSA ETLQARREWGPIFNILKENNFQ PRISYPAKLSFISEEEIKYLTQDQ MVRDFVTTTRPALKELLKEALN MERNNRYQLLQNHAKF
6492	36860	A	6542	245	1293	TGAVPIRPSWQWGNRTEKL ETLKRRAPLLQRNAVPHQQQ NKAGWRMLTS*EKKASDDQIT LSYGRTFKPK/DKEVENFEKNL EECITRITNTEKCLKELMELKTK APELREECRSLRSRCDQLEERV SAMEDEMNMKREGKFREKRI KRNEQSLQEIWDYVKRPNLHLI GVPESDVENGTKLENTLQDIIQ ENFPNLARQANVQIQEIQRTPQ RYSSRRATPRHIIIVRFTKVEMK EKMLRAAREKGRVTLKGKPIR LTADLSAETLQARREWGPIFNIL KEKNFQPRISYPAKLSFISEGEIK YFIDKQMLRDFVTTTRPALKELL KEALNMERNNRYOPLQNHAK
6493	36861	C	6543	116	283	
6494	36862	A	6544	51	281	KSQNQLLSSKGEYADGQQDQV SIPAPSPYTLSPQTQSCPVRPE LGL*GASSAVQAPAVRYLTRFL LFVMSNLHSP
6495	36863	B	6545	1	897	
6496	36864	B	6546	91	8030	
6497	36865	A	6547	126	362	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6498	36866	A	6548	936	2064	ERADCLFKRKTNNQKGHLHRK PICTSPSSKTKSR*NHKDGEKTE QKNWKL*NAERLSSS/IRNAV HQQQNKAGWRMILTS*EKKAS DDQITLSYGRITFKPK/DKEVENF EKNLEECITRITNTEKCLKELME LKTARELHEECRLSRCDQL EERVSAMEDEMNMKREGKFR EKRIKRNEQSLQEIWVYKRPN LRLIGVPESDVENGTKLENTLQ DIIQENFPNLARQANVQIEIQR TPQRYSSRRATPRHIIVRFTKVE MKEKMLRAAREKGQVTLKGG PIRLTADLSAETLQARREWGPIF NILKEKNFQPKISYPAKLSFISEG EIKYFIDKQMLRDFVTTRPALK ELLKEELNMERNNRYQPLQNH
6499	36867	A	6549	1	767	MAGAPPPASLPCCSLILDCCASN QRDSVGVGPSEPGVGYSLVVR RFLSRSEKRNIRVGVTRFSSEM NPVPQMEMQKSPSSASLTGA VDRSCSYSAILAPPLGFCFYPLY ENSTLQSAKKRDAELANGALGI IELNNDYTLKKVMKPLITSNTV TDEIERANVFKMNGKWYLFDT SRGSKMTIDGINSNDIYMLGY/D IKLFNRPLQAAEQNRACAANGS *SKRCDIHLSLRSAASQRQQC GYHKLHDKQRLLRG
6500	36868	B	6550	50	327	
6501	36869	A	6551	333	1301	FLHFHLRNAVPHQQWNKAGW RMTLRS*EKKASDDQITLSYGR TFKPK/DKEVENFEQNLEECITR ITNTEKCLKELMELKTKARELR EECRSLRSRCDQLEERISV MED EMNMKREGKFREKRIKRNEQ SLQEIWVYKRPNLRLIGVPES DGENGTKLENTLQHIIQENFPN LARQANVQIEIQRTPQRYSSRI AIPRHIIVRFTKVEKMEKMLRA AREKGRVTLKGGPIRLTADLSA ETLQARREWGPIFNILKENNFQ PRISYPAKLSFISEEIKYLTOKQ MVRDFVTTRPALKELLKEALN MERNNRYQLLQNHAKF
6502	36870	A	6552	352	2304	
6503	36871	A	6553	1	1617	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hnd	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6504	36872	A	6554	1	257	MGPPIHKISHYVYANISKSEKVL KSEHFRSQAFQPGQSETVSEK KKKTRKKRKKRKKRKKKKK KKKKKKKKKKKKKKKKKKKK SE*DRLGKKKEDEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE
6505	36873	A	6555	5	156	RKKGGG/EREEEGEGEEEEEE EEEEEEEEEEEEEEEEEEVVL LTPGTGAEDFKKH
6506	36874	A	6556	1	279	
6507	36875	A	6557	3	120	TEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE
6508	36876	A	6558	3	123	
6509	36877	A	6559	239	432	CLWLFQEEEEEEEEEEED*EE EEE/EEEEEEEEEEEEEEEE EEEEEEEEEEKIFLGHVRGI
6510	36878	A	6560	1	588	
6511	36879	A	6561	1	204	
6512	36880	A	6562	75	234	
6513	36881	B	6563	100	2510	
6514	36882	A	6564	47	4976	
6515	36883	A	6565	3	4755	SCRCRRRRRGAPAMAQILPVR FQEHFQLQNLGINPANIGFSTLT MESDKFICIREKVGEQAQVITI MSDPMPIRRPISAESAIMNPAS KVIALKAGKTLQIFNIEMKSKM KAHTMAEEVIFWKVWSVNTV ALVTETAVYHWSMEGDSQPM KMFDRTHTSLVGCQVIHYRTDE YQKWLLLVGISAQQRVVGGA MQLYSVDRKVSQPIEGHAAAF AEFKMEGNAKPATLFCFAVRN PTGGKLHIIIEVGQPAAGNQ
6516	36884	B	6566	47	482	
6517	36885	A	6567	1	555	MNARPHKVD/GRVVEPKRAV* EDSQRPAFVAGIKEDTEHHILR DYFQYQYGMVEIIMTDRGSG KKRGFAFVTFDNHDSVDKTVV QKYHTANDHNCEGRKALSKQE MASASSQRGHSSGNFRGGHG GGFGGNDIFGYGENFSOHGGFS GSCGGGGYGSSGGGYNEFGND GSNTGGGGSYNDFGN
6518	36886	A	6568	1	645	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6519	36887	A	6569	2	944	GRGLRKLFIGLSF*FIDESLKS QVGEGWGLTDCVVMRDPNTK RSRGFGFVYATVEEVDAAAMN ARPHKVDGRVVEPKRAVSRED SQRPGAHI/TLVKKIFVGGIKED TEEHHLRDYFEQYGKIEVIEIMT DRGSGKKRGFA/FVTFDDHDSV DKIVIQKYHTVNGHNCEVRKA LSKQEMASASSSQRGRSGSGNF GGGRGGGFGGNDNFGRGNGFS GRGGGGSRRGGGYGSGSDGY NGFGNDGSGNFSGGGSYNDFGN YNNQASNFQPMKGGNFGGRSS GPYG/GGGQYFAKPR/NQGGY GSSSSSYGSGRRF
6520	36888	A	6570	1	1512	
6521	36889	A	6571	2864	3677	RCQLDHLPLCHLCCCCHRR/CIPSL RDPQQAAGSTRLSRAPHIESRV GRKPPEEPANPTMNSLTLRDKQ /HDASTC/DWKRAL*VPESGLPR ALLKYIRCPNMSSAQKPRELSK RRN*K*PCVKRTPFRPT*E/DLP YSGKKTGVKGLICPVPGTAVK APQRPPGQQPHAPQASSETA WFPVADRRVFSENPGWTA AKT LGTLSGPCQAGAGVGRQDGP GQELTSQEKPWVGRKIPEHAV ADKGYRQCCGAGEARGGPVF WAAAPRTSWQQASYT
6522	36890	A	6572	1	666	
6523	36891	A	6573	2926	3304	EYSLGHRHYNWKC*ALGQKDQ VTFATKFAPTSHRTRKQPELWR /QDPGSYGEKQPAWCSVPPGRF SGGLVGLGFLDGGIVVQPLRRP CCQDCVCGFPLRSSTKTSTEL GPSFLPCERQGETISVT
6524	36892	A	6574	1	665	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6525	36893	A	6575	3	1121	SSTFRMPWRLVTSWTAYIPEL EGSTSDPSPAVAQKGEKPVKL GNSLWGSHTPEVPRPGTGPRPL SFVHRLPTMDPHKVNALRAV KMCKQDLSVLHTKEMHFLRE WVESMGKLSPATQVKVSEEN TKEEKPDSSKKVEEDLKADEPSS EESNLLIDNEDVIEPDPAPQEM GDENAEITEEMMDQANHKKVA AIEALNDGELQKAIDLFTDAIKL NPQLAILYAKRASVFIKLQKPN AAIRDCDRAVEIYSAQPYKWR/ GKYEQKREEREIKERIERVKKA REEQERAQREEEARGQSAQY GSFPDGLPGGMLEMRGGMPGK PGITGLNEIFSDPEVLAQVQDPK VMV/AFQDVAQNPNANMSQYQ GNPKVM
6526	36894	A	6576	3	1351	PEAGGERERERAQREEDSTRQS RAQYGSFTGGFPGMPGNFPG GMPGMGGPSARSRAQRLSLE PDRSPSYAHHLPMTDPRRVNE LRAFEKMKCKQDPSVLHTEEMR FLRECVESMCGKVPPATHKAM SEENTTEEKPDSEKAEDLQAD EPSSEESDLRKLKEGVIEPDT APQEMGDENAEIPEEIMMDQA NDKKVAAIEALNDGELQKAIDL FTDAIKLNPRLAILYAKRASV VKLQKPNAAIRDCDRAIEINPD SAQPYKWRGKAHRLLGHWEE AAHDLALACKLDYDEASAML KEVQPRQAQIAEHRRKYERKR EEREIKERIERVKKAREEHERA QREEEARQSGAQYGSFPGGFP GGMPGNFPGMPGMGGGMPG MAGMPGLNEILSDPEVLAAMQ DPEVMVAFQDVAQNPNANMSK YQSNPKVMNLISKLSAKFGGQ
6527	36895	A	6577	2	433	GPPLNLSSPRGGILKTYGCELGG KRFLDSLRLRMHLLAHSAGAK AFVCDQCGAQFSKEDALETHR QTHGTDMAVFCLLCGKRQFA QSAQQHMEVHAGVRSYICSE CNRTFPSHTALKRHLRSHGTGDH PYECEFCGSCFRDE
6528	36896	A	6578	1	687	
6529	36897	A	6579	2	449	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6530	36898	A	6580	852	1084	TDAGCYAARQCCTAVPSRDV HIRHQGTVPQF*TAPLRARS/E VSPARRRRARMLSSSASFASANIT TSSAWSDTLQP
6531	36899	A	6581	1	681	
6532	36900	A	6582	1	483	
6533	36901	A	6583	1	273	TRGPWCDSVLRGCSLEQRSFIS VRLLSYLSACRHPMEDSMDMD MSPLRPQNYLFG/SLGAGAKDE LHIVEAEAMNYESGPIKVTLAT LKMS
6534	36902	A	6584	1	678	
6535	36903	A	6585	3	634	
6536	36904	A	6586	4	479	CSAKTAIRGVSECLIHGHPHS TASDQGTHTFAKEVWQWAYA HGIHWSYHVLHHPEEA/GKER WNLGKLSQLQCQLGDNLTQGG* GKVLQQAQVYVLN*HPIYGTVP IARIH/GSRNQG/VETELTPLTITP SDPLAKFLLPVPPTLHSAGLEIL VPEGEIR
6537	36905	A	6587	1	1539	MVGKAKWKPLELPLPRKMVSQ KQYRILGGTAEISVTIKDLKDA RVVIPSTSPFYSPWVQKIDGS WRMTEDYRKLNQVVTPTAAA VPDVVSLLEQINTSPGTRYAAID LTNAFFSIPFHKAHQKLFASF WQGGQYTTFTVLPWGDINSALCH NLIRRDPCFSLPQDITLVHID DIMLTGSREQEVADTRDFLVKD KLLHLAPPTTKQAQHLVGLF GFWRQHIIPLGLLQPIYRTQ KVASFWSQEQKTALQQVQAA VQAVLPLGPYNADPMVLEVS VADRDVCSLWQAPIGESQWR PLGFWKALPSSADNYSPPFERQ LLA/CHKVGHAQQHSISKWK*Y IHDRAQADYHPWTQACLIHCQ GIPHSIASDKDAHFTTKEVWQW THAHEIHWCYHVLHHPEAAGL TERWNRLLKSQQLRQLGDNLT QGSQGLVQKAMYALNQHPYIG TISPIARIHGSSNQGEVAPLTIT PSDPLAKFLLCVPTTLRSAGLD VLVPEGGMTQQQFH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6538	36906	A	6588	1	566	MGRNQSRKAENSKNWSASSPP KDHSSLPAMEQSWMENDEF TEVGFRRSVITNFSELKEHVLTY CKEAKNVEKRIYRSRNQGMVEV KVAPLTITPSDPLANFFASVPAT LHSAGLEVLVPEGGTLPLGDTT MIPLNWKLRLRTGYFGLLLRLS QQAQKKGAMVLA/GVVDPDYQ NEISLLHN*GKTHDH
6539	36907	A	6589	221	357	
6540	36908	C	6590	228	342	
6541	36909	A	6591	745	849	
6542	36910	A	6592	1	240	
6543	36911	A	6593	2	495	FVRLVGRGDCDPLLSVCLTTMP LYEGLSGGGEKTAVIDLGEA FTKCGFAGETGPRCIIPSGIKRA GMPKPVRRVVQYNINTEELYSYL KEFIHILYFRHLVLPNPRDRRVV IIESVLCPSIHFREDTHSCFFFKY FEVPSVLLA/PSHLMALLTLGI NSWHGPRL
6544	36912	A	6594	1	579	
6545	36913	A	6595	1	621	
6546	36914	A	6596	1	351	
6547	36915	A	6597	1	447	
6548	36916	A	6598	114	880	
6549	36917	A	6599	1	2625	
6550	36918	A	6600	1	1674	
6551	36919	A	6601	1035	2235	QTHSQYHTEWAKTGSIPFENW HKTGIPSLTTPIQHSVGSSGQGN QAGEGNKGYISIRKRGSIQVPC RRHD/VYI*KTPLSQPEISLS**A TSAKS/LGYKINVQKSQAFLYT NNRQTESQIMSELPFTIASKRIK YLGQLTRDVKDLFKENYKPLL KEIKEDTNKWKNNIPCSWVGRIN IVKMAILPKVIYRFNAIPIKLPM PFFTELEKTTLKFIWNQKRARIT KSILSQKNKAGGITLPDFKLYY KATVTKTAWYWYQNRDIDQW NRTEPSEITPHIYNILFDKPEK NKQWKGKDSLFNKWCWENWLA ICRKLKLDPLFTPYTKMNSRWI KDLNVRPKTIKTEENLGITIQD IGMGKDFMSKTPKAMATKAKI DKWDLIKLKSFTAKETTIRVN RQPTK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6552	36920	A	6602	369	1917	AGEKNKGYSIRKRGSQIVPVC RHD/VYI*KTPLSQPKISLS**AT SAKS/LGYKINVQKSQTFLYTN NRQTESQIMSELPFTIASKKIKY LGIQHTRDVKDLFKENYKPLLK EIKEDTNKWKNI PCSWVGRINI VKMAILPKVIYRFNAIPIKLPM TFFTELEKTTSKFIWNQKRARITK SILSQKNKAGGITLPDFKLYYK ATVTKTAWYLYQNRDIDQWN RTEPSEMTPHTYNYLIFDKPEK NKQWGKDSL FNKWCWENWLA ICRKLKLDPFLTPTKINSRWIK DLNVRPKTIKLEENLGITQDI GMGKDFMSKTPKAMATKDKID KWDLIKLSFCTAKETTIRVNR QPKKWEKIFATYSSDKGLISRIY NELKQIYKKKTNNPIKKWAKD MNRHFSKEDIYAAKKHMKKCS SSLAIREMQIKTTMRYHLTPVR MAHQKSGNNRCWRGCGEIGTL LHCWWDCKLQVHILTHRWE L NNEITWTQEGEYHTLGT VVGW GEGGGIALGDIPNAR
6553	36921	A	6603	1	2781	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6554	36922	A	6604	1320	2403	LQTLQVYSNQNSMVLVPKQR YRSMENRALRNNAATYQLSD L*QT*EKQAMGKGFI**MVLG KLASHM*KAETGSLPYTLKY QFKMD*RLKR*T*NSKKQSPSP PPKERSSPATEQSWTENDFDE LREEGFRSNYPFLREDIQTKG KEEIQTIREYYKHLANKLEN LEEMDKFLNTYTLPRLNQEEVE SLNRPTGSEIVAVINSLPTKKSP GPDGFTAEFHQRYKVELVPFLL KLFQSIEKEGILPNSFYEASILIP KPGRDTIKKENFRPISLTNIDAKI LNKILANRIQQHIKKLIHYDQV GFIPGMQDWFNIRKSINVIQHIN RTKVKNHMIISIDA EKAFDKIQ QRFMLKTLNKL AQNLKLISNF SKVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLKEIK EDTNKWKNI PCSWVGRLNIVK MAILPKVIYRFNAIPIKLPMTFF TELEKTTVKFIWNQKRACITKSI LSQKNKAGGITLPDFKLYYKST VTKTAWYWYQNRDIDQWNRT EPSEIMPHIYNYLIFDKPEKNKQ WGKDSL FNKWCWENWLAICR KLKLD PFLTPYTKINSR WIKDL NVRPKTIKTEENLGITIQDIGV DKDFMTKTPKAMATKPKIDKW DLIKLSFCTAKETTIRAFDELD DVHPHEEIEACRVWQNYGTHP
6555	36923	A	6605	2202	2515	KSLQCEHSSHQDLPLACLGLR KHYMVAQYL*HSH/ASGGGSR YDVLKISVSCSTIDI*LAFVSLG *DKRTS**TNLAESSPNFFHWV WIFLASKKFCSPAR
6556	36924	A	6606	1934	2077	AIPFRIQA WARTSCPKHKKQWQ QKPKLTNGI*FN*RASAQKKL PSE
6557	36925	B	6607	1	2325	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6558	36926	A	6608	1524	2877	IRKRGSQIVPVCRRHD/VFV*KT PSSQPKISL**ATSAS/LGYKI NVQKSQAFLYTNNRQTESQIMS ELPFTIASRKRIYLGQLTRDVK DLFKENYKPLLKEIKEDTNKW KNIPCSWVGRINIVKMAILPKVI YRFNAIPKLPMTFFTELEKTTL KFIWNQKRARIAKSILSQKNKA GGITLPDFKLYYKATVTKTAW YWYQNRDIDQCNRTPESEIMPH IYNYLIFDKPERNKQWKGKDSLF NKWCWENWLAICRKLKLDPF TPYTKINSRWIKDLNVRPKTIKT LEENLGITIQDIGVGKDFMSKTP KAMATKDKIDKWDLIKLSFC TAKETTIRVNRQPTTWKIFAT YSSDKGLISRIYNELKQIYKKKT NNPIKKWAKDMNRHFSKEDIY AAKKHMKKCSSSLAIRERQIKT TMRVHLTPVRMAIHKKSGNNR DMDEIGNHHSQ
6559	36927	A	6609	1	2226	MGKKQNRKTGNSKTQSAPPP KERSSSPATEQSWMENDFDEL EEGFRRSNYSELREDIQTGKGE VQNFENLEECITRITNTEKCLK ELMELKTKARELREECRLRSR CDQLEERSAMEDEMNMENKRE GKFRKRIKRNEQSLQEIWDYV KRPNLRLIGVPESDVENGTKLE NTLQDIHQEN/CPQSSKAGQRSD SGNTENATKILLEKSNSKTHNC QIHQS
6560	36928	A	6610	1	674	
6561	36929	B	6611	1	5175	LQTLQGYSNQNSMVLVVPKQR YRSMQNRALRNATY/LQLSD L*QT*EKQAMGKGFPI**MVLG KLASHM*KAETGSLPYTLYKN QFKMD*RLKH*T*NHKNPRRKP RHYHSGHRHGGQLHV
6562	36930	A	6612	1666	2032	
6563	36931	A	6613	1596	2169	AGEGNKGYSIKRGSQIVPVC *HD/VYI*KTPLSQPKISL**ATS AKS/LGYKINVQKSQAFLYTNN RQTESQIMSELPFTIASRKRIYL GIQLTRDVKDLFKENYKPLLKE IKEDTNKWKNIPCSWVGRINIM KMAILPKVIYRFNAIPKLPMTF FTELEKTKVHMEPKKCPHHQG NPKPKEQSWRHHTT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: In US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6564	36932	A	6614	1667	3103	AGEGNKGYSIRKRGSIQVPVCR *HD/VYI*KTPLSQPKISLS**ATS AKS/LGYINNVQKSQAFLYTNN RQTERQIMSELPFTIASKRIKYL GIQLTRDVKDLFKENYKPLLQE IKEDTSK WKNVPCSWVGRINIV KMAILPKVIYRFNAIPIKLPMPF FTELEKTILKFIWDQKRARIAKS ILRQKNKAGGITLPDFKLYYKA TVTKTAWYWYQNRDIDQCNR TEPSEITPHIYNYLIFDKPEKNK QWGGKDSL FNKWCWENWLAIC RKLLDLPFLTPTKINSRWIKD LNIRPKTIKLEENLGITIQDIGM GKDFMSKTPKAMATNAIDK WDLIKLSFRTAKETTIRVNRQ PTKWQKIFATYSSDKGLMSRIY NELKQIYKKKTNNPIKKWAED MNRHFSKEDIYA AKKHMKKCS SSLAI REMQIKTTMRYHLTPVR MAHKKSGNNRLTLNNHNNPQ PLISIKEPREKEELNLQV
6565	36933	A	6615	3134	3288	
6566	36934	A	6616	1	2630	
6567	36935	B	6617	877	7936	
6568	36936	A	6618	2	1589	
6569	36937	A	6619	1	240	
6570	36938	A	6620	200	486	
6571	36939	A	6621	1	558	
6572	36940	A	6622	1	3885	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US/N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6573	36941	A	6623	1	2302	KLPVTNRAAHGLCASLGPDFM TFKVPSSWRHSDSICREWFTLA GAPSRDVLVSAIITVLSLVTVV LCGLCHWCQRKLGKRYKNSLE TVGTDPDSGRGRSEKKAIVSRP CPPPAKASATHPTCKSPRSQEK VESPGDLDRDFWNNNESTVQQ KWSSYPPEFILNISPYAPYGDP RLSLNGLTLLSGAKVAAAAGLA VEREGRLGEKAPVPPPGEDAL RSGGAAPSEPGSGGKAGRGRW RTVQSHLAAGKLNLSNFEDSTL STATLESIPSTGEPKCQRPR LMRQQLSQQLSQHQRGRQPS QPTTSQSLGQLQAHMASAGP NPRAVGRGQARQOTSAGSKYR AAGGRSRSPGSDWHVVGQIR NRGLDMKSFLTSSRAAKWNF TNSETVPALDLDSAVVLIPWISS KEDTGDSDHYGRVAIYHKGLSFS SDGLVYPGAKGREGRMVVLSL VLGLSEQDDFANIPDLQNPQTQ QNQNAQGDKRLPAGGKAVNT APVPGQTPHDESRRTEPRSSV SDLVNSLTSEMLMEDWPPAVF SSGWAIAHTAPASLHSPGYSF LAARGGLLFEADFCWCKRSG STFPDCDGVANLAATEMALSQ LRFKETAMRESLVMLSPGSEE DEAHEGCSRENLGRIQFSVGYN FQESTLTLKIMKAQELPAKDFS GTSDPFVKIYLLPDKKHKLKTK
6574	36942	A	6624	1	576	
6575	36943	A	6625	1	155	
6576	36944	A	6626	4746	5258	DAGAQPSPRYLIYHQPSRFFRI TSTVTPFSKPISLLWL*/GLHG DILL/RLQS*RC*CRSHPEYHSG PPGRWQGPSPAPQKCSRSTSR RSSR*HPPPPRPGGSAPSPASYS WTPPRTVPGSWARRWRRLSR PSWATQPSWTATLWSQPLWRL KWEDCLSPGRSRLQ
6577	36945	A	6627	1	588	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met cod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, ^=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6578	36946	A	6628	444	1056	GPLLREPHQLCHFPVAGFVLDA GLPEAAAAPHDRGP ELAGPQA AGQHPAQVAHQPRAAAQQRQ GRRAREEAGAAQEEPRGPQE RRRRLAEGLRRQCGHPAGRDG RGGYRRAAQGPARGGRTPEWQ QSGGARRTPSVGHPRRARADW CLTGANDALSCSSPTCGKFLKT VSKVPV/CRRGLAVNRKEAEGR SSESPTSSATFQSPALSWMLVS QRLLLPHMIGAQSSPGKRPNG TLRKWLTPSVRRLSSGKADGH VKKLAHKHKSREVRKSADAG SQKDSDSAATPQDETVEEDTV AQPRGRREGAGRQSGSRAAGP GRRASAIRGGHARTDVGKRN GTRTRKELMPLHGKRDAAEH DEPTSASRPAGERPELTLAAVQ TEYNCSFPS
6579	36947	A	6629	128	1103	
6580	36948	A	6630	1	602	
6581	36949	A	6631	3	1618	
6582	36950	A	6632	1	602	
6583	36951	A	6633	3	1618	
6584	36952	A	6634	1	912	
6585	36953	A	6635	195	396	VLPLHRQI**LLH*SKKHNHYK GKQQDLR/CSSTVPRRPQILPII SFSNVVPGSRRLKAPLVFIGPG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
6586	36954	A	6636	2	1813	FNTPLSTLDRSSRQKVNKDIQD VISALHEAGLIDYRTLHPKSTE YTFFSAPHHTYYKIDHIVGSKA LLSKCKRTEITNCLSDDRAIKL ELRIKKLTQNYTTTWKLNLLLL SDYVWNNEMKAEIKMFFETNE NKDTMYQNI.WDTFKAVCRGK FIAVNAYKRKQERSKIHTLTSTQ LKEPEKEQETHSKASRRQEITKI RAELKEIDTQKTLQKISVSRSW FSERINKIDRLIARLMKKKREK NQIDAINDKGDITIDPTMQTT IREYYKNLYANKLENLEEMDK FLDTYILPRLNQEEVELPNRPIT GSENEAIIINSLP/TKKSPGPDEFT AKFYQRYKGLARAIRQEKERE DTQLGKEEVKLLFAEDMIVYL ENPIVSAONLLKLINNFskVSGY KINVQKSQAFLHTNNRQTESQI MSECPLTIASKRIKYLGIQLTRD VKDLFKENYKPLLNKIKEDTN KWKNIPIRSWLGRNNIVKMTILP KVI/YKKTTLNFIVNQERARIAK TILSKKNKAGGITLPDFKLYYK ATVTKTARYWTLTIKKGSVWPI SLKSEKRHRTRPLWKLCHND VQGELL.KTIQFLFGSPL.GHSSLD
6587	36955	A	6637	1	2988	MPPHSEQPHSPSTRQKRKVPFL VRQCPFSFVIQAPKAKMDTFDGR KKQFTRFLFLFSMDQLGQGRFS MQTLSFALAVYRKDSPLVACQ VQALGNLEPSSVEAHVSSHGIAI DRKGWHVSLFSIQPGDCFPKAL VEDSPDRARRQQSKEEGWC RDRRRLKFHSKKGA AIVVKS KKYESPSFGVCFESLLNPPRLTS RREKTISSSKRCRQCHAEETT VFWAKESQTGEQTGRGAGQRR MGMIICKACSMPLPAE
6588	36956	B	6638	362	1463	
6589	36957	A	6639	1	1061	
6590	36958	A	6640	1	1581	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, /=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
6591	36959	A	6641	46	862	AAFPAPRTLFFLSRPLRPTACAA FRPEFWRLNMKLPARVFFTLGS RLPCGLAPRRFFSYGKILYQN TEALQSKFFSPLQKAMLPNSF QGGKVAFITGGGTGLGKGM TTL LSSLGAQCVCVIA SRKMDVLKAT AEQISSQTGNKVHAIQCNVKYP DMVQNTVSELKVKQHPSTVIT N*STERSSISFLLPTIYA*DWFRF CSTQVLLPKQVWKPMKSLAA EWGKIWNAIQC
6592	36960	A	6642	1	2902	MVKGSLQQUELTILNIYAPNTE APRFKQVLRDLQRDLDSHTLI MGDFNTPLSTLDRSTRQKINKD TQELNSALYQADLDIYGTLHP KSTLEYTF/SAPHHTYSQNWTT IVGSKALLSEHKRTEIITNYLSD VHSAVKLELRKIKLTQNRSATW KLNNLLNDYWVHNDMKAEI KMFFETKVENKIDTTYQNLWDT FKAVCRGKFIAKNAHNRKQEV RSKIDTLTSQLELEKKEQTYL KASRRQEI
6593	36961	A	6643	1	5127	
6594	36962	B	6644	1	3570	
6595	36963	A	6645	1	3663	
6596	36964	B	6646	143	3122	
6597	36965	A	6647	1	3235	
6598	36966	A	6648	1	3249	
6599	36967	A	6649	1	3297	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6600	36968	A	6650	1	2563	MKAEIKMFFETNENKDTTNQN LWDAFKAEVESLNRPIITGAEI GAIHNSLPTKKSPGPDGFTAEFY QRYKEELVPFLLKLFQSIEKEEI LPNSFYEASIIIPKPGRDITTKKE NFRPISLMNIDAKILNKILANRI QQHIKKLIHHDQVGFFPGMQG WFNIRKSINVIQHINRAKDKNH MIIISIDAEKAFDQIQPFMLKTL NKLIGDGTYPKIIRAIYDKPTAN IILNGQKLEAFPLKTGTTRQGCPL SPLLNFNILLEVLARAIQEKEIK GIQLGKEEVKLSLFADDMIVYL ENPIVSAQNLLKLISNFSKVSQY KINVQKSQAFLYTSNRQTESQI MSELPTTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILPK VIYRFNAIPIKLPMTFFTELEKTT LKFIWNQKRAHITSILSQKNK AGGITLPDFKLYKATVTKTA WYCYQNRDIDQWNRTEPSEITP HTYNYLIFDKPEKNKQWGKDS LFNKWCWENWLAIWRKLLKD PFLTPYTKINSRWIKDLNVRPKT IKTLEENLGITQDIGMGKDFMS RTPKAMATKAKIDKWDLIKLF SFCTAKETTIRVNRQPTTWKIF ATYSSDKGLISRIYNELKQIYKK KTNNPIKKWEKDMNRHFSKED IYAAKHKMKKCSSSLAIREMQI KTTMRYHLTPVRMAIHKKSGNN
6601	36969	A	6651	1	3402	
6602	36970	A	6652	1	3288	
6603	36971	A	6653	1	3168	
6604	36972	A	6654	1	3516	
6605	36973	A	6655	1	3693	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, ^-possible nucleotide insertion)
6606	36974	A	6656	1577	3354	TEPKTKTT*LSQ*MQKRPLTKF NNLSC*KLSIN/IVLEVLARAIQ EKEIKGIQLGKEEVKLSLFADD MIVYLENPVISAQNLKLIJSNFS KVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLKEIK EDTNKWKNIPCSQWVGRINIVK MAILPKVIYRFNAIPKLPMTFF TELGKTALKFIWNQKRARITKSI LSQKNKAGGITLPDFQLYCKAT VTKTAWFPSPGDVGLEADFSPSH TLKTQFFSCLAEFAAASCFFQR MNGFGMAMTTTYSTGAESPL PSCSIDQGGDTKLHRRASPGRT FPAAAGIPAAAAPDGPPLSLH KLWFPVELGGRALPRAESHGE VAALGVMVVAQGKNGQEEA RSTPWL RPTSHLPPCSSSAWW TEQTDHPLLLCLGIYLLNA LSNLSMVALVRSDGALRSPMY YFLGHLSLVDVCFCTTVTVPRLL AGLLHPGQAISQACFAEMYFF VALGITESYLPAAMSYDRATAA CRPLRYGALVTPWALRLAARY DRLASVVYAVITPTLNPFINSLR NKEVKGALKRGLRWRAAPQE
6607	36975	A	6657	1	3514	MELKTKARELREECRLSRSCD QLEERVSAEMEDEMNMKREG KFREKRIKRNEQSLQEIWDYVK RPNI.RLIGVPESDVENGTKLEN TLQDIIQENFPNLARQANIQIEI QRTPQRYSLRRATPRHIIVRFTK VEMKEKMLRAAREKDRSTRQK VNKDTQELNSALHQADLIDIYR TLHPKSTEYTFFSAPHIITYSKT DHIVGSKALLSKCKRTEIITNYL SDHSAIKLELRJKNLTKSRSTTW KLNNLLNDYW
6608	36976	A	6658	3	3316	
6609	36977	A	6659	1	4794	
6610	36978	A	6660	1	3570	
6611	36979	B	6661	1	3384	
6612	36980	A	6662	1	3429	
6613	36981	A	6663	1	3780	
6614	36982	A	6664	1	3894	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: In US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6615	36983	A	6665	1	3335	MVKGSIQQEELTILNIYAPNTG APRFIKQVLSDLQRDLDSHTLI MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDYRTLH PKSTEYTFSSAPHHTYSKIDHIV GSKALLSKCKRTEIITNYLSDHS AIKLELRINKLTQSRSTTWKLN NLLLNDYVWHNEMKAEIKMFF ETNENKDDTTYQNLWDFAKAVC RGKFIALNVYKRKQERSKIDTL TSOLKELEKQEQTHSKASRRQE ITKIRAELEKIETQ
6616	36984	B	6666	1	3145	
6617	36985	A	6667	1	4398	
6618	36986	A	6668	523	3852	
6619	36987	A	6669	1	3934	MGKKQNRKTGNSKTQSASPPP KERSSSPATEQSWMENDFDEL EEGFRRSNYSELWEDIQTKGKE VENFEKNLEECITRITNTEKCLK ELMELKTKARELHEECRLSR CDQLEERVSADEDEMNEKRE GKFRKRIKNEQSLQEIWDYV KRPNLRLIGVPESDVENGTKLE NTLQDIIQENFPNLARQANVQI QEIQRMQRYSSRRATPRHIIVR FTKVEKMEKMLRAARQKAPH HTYSKIDHIVGSKAL
6620	36988	B	6670	1	5215	
6621	36989	A	6671	1	7171	
6622	36990	A	6672	3	493	
6623	36991	A	6673	1	729	
6624	36992	A	6674	3	800	
6625	36993	A	6675	1	327	
6626	36994	A	6676	2	462	KSSWLEEDDDPVVARVNRMQ HITGLTVKTAELLQVANYGVG GQYEPHFDFSRFPDGLKTEG NRLATFLNYMSDVEAGGATVF PDLGAAIWPKKGTAVFWYNLL RTGEGDYR/TRHAACPVLVGCK WVSNKWFHES/GQFLRPGST EVD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6627	36995	A	6677	3	717	RHRLRNRLKDVGGAEFYPLLE DDQSNLPHSNSNNELSAATLP LIIREKDTEYQLNRJILFDRLLKA YPYKKNQIWREARVDIPLIRG LTWAALLGVEGAHAKYDAID KDTPIPTDRT/QLKWDIPRCHSV R*TVIIHAPEGHAKFRRLKAW VVSHPDLYVWQGLDSLCAPEL YLNFNNEALVYACMSAFIPKYL YNFFLKDNSHVIQEYLTVFSQM IAFHDPELSNHLNEIGFIPD
6628	36996	A	6678	1	508	
6629	36997	A	6679	1	888	
6630	36998	A	6680	2	584	
6631	36999	A	6681	2	152	QVAKGMDALLQHLEDCGYR/S SKKKAQICRQQVTKWGDGSAL MGTSSTASL
6632	37000	A	6682	733	894	
6633	37001	B	6683	1	1626	
6634	37002	A	6684	1	1971	MAQVWANDNPPGLAVNQAPV LIDVKGPAQPIRQKQYPVPREA LKGIQPGTKDYQPQDRLRVN QATVTLHPTVPNPYTLGLLLA EDSWFTCLDLKDAFFSIRLAPES QKLFAFQWEDPQSDLGICLLLY VDDLLGHSTAVECAKGMVDL LQHLEDCRYKMSKKKAHICRQ QVRYLGFTIRKGRS/WEREKM AVGVLTQTVGPWPRPVAYLSK QLD/EVSKGWPLCLRTLAATAL LAQEADKLTGQNLNIKAPHA VVTLMITTEGHHWLTNARLTKY QSLPCENPHITIEVCNTLNPITL LPVSESPGEHNCVEVLDSVYSS RPDLRDQPWASSVDWELVMD GSSFINSQGERCAGYAVVTLDA VIKAKLWLQGTSAQKAELIALT RAVELSEGOESLEELLGRYFYV SHLPFAKAVAQ/CITCRQHNA RQSPVTSPIQAYGAAPFEDLQ VDFTEMPKCGGNKYLLVLTCT YSGWVEAYPTRTEKPYKKGKN DPSCTKGQCNPLELVITNPLNP HWKKGERTVLGIDRARLDPRV NILVRGGEVYERSPEPVFQTFY DELNVVPPEIPGKTRNLFQLA ECVAQPLNVTSCYVCGGTVTG YQWPWKARELVVPDVPDEFEL AQKNYPDNFWVLKPSITGQYCI
6635	37003	A	6685	1	1461	
6636	37004	A	6686	1	1005	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6637	37005	A	6687	1	174	
6638	37006	A	6688	519	588	
6639	37007	A	6689	2	4527	GRAGLGWSSGGGRGRACSEGP AEARGREGDKGSAALSPPLLT LGEEMAAERGARRLLSTPSFWL YCLLLLGRRAPGAAAARSGSAP QSPGASIRTFTPFYFLVEPVDTL SVRGSSVILNCSAYSESPKIEW KKDGTFLNLVSDRRQLLPDGS LFISNVVHSHKHNKPDGGYYQCV ATVESLGTIISRTAKLIVAGLPR FTSQPEPSSVYAGNNAILNCEV NADLVFVVRWEQNRQPLLLDD RVIKLPSGMLVI
6640	37008	A	6690	1	879	
6641	37009	A	6691	407	594	
6642	37010	A	6692	1	3621	
6643	37011	B	6693	1	609	
6644	37012	B	6694	1335	1599	
6645	37013	A	6695	1	354	
6646	37014	A	6696	181	683	SRYFILLRKPTFPAMALLPVLFL VTVLLPSLPAGGKDPATALLT TQLQVQREIVNKHNELKAVSP PASNMLKMEWSREVTTNAQR WANK/CTLQHSDPEDRKTSTRC GENLYMSSDPTSSWSSAIQSWY DEILDVYGVGPKS/PQYCPAG NNMNRKNTPTYQQTGPCG
6647	37015	A	6697	199	969	
6648	37016	A	6698	1	564	
6649	37017	A	6699	153	427	
6650	37018	A	6700	1	978	
6651	37019	A	6701	3	419	
6652	37020	A	6702	9	255	VRAPAQGPLAGGRRRCGSGA SCTPSRGPASWSRSAAQVPRS SRWRAGSASS*/N/GRQAPPTSQ PPRAQFFAQPPGPWPLS
6653	37021	B	6703	96	283	
6654	37022	A	6704	172	365	PTYHLYPCHFYQHRTRRIPRK SERLFTPPQLSWKGTWDY*1 CLCCNDSEGRDVLVRLVK
6655	37023	A	6705	3	1171	
6656	37024	A	6706	2	740	
6657	37025	A	6707	256	461	
6658	37026	A	6708	1	414	
6659	37027	A	6709	1330	1386	YIDSILPK*NHDTLSQYCRYMH SRQRAAS*PLSTGKLQCLGLD LVLC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6660	37028	A	6710	207	1173	GGDRDRMTANHESYLLMASTQ NDMEDWVKSIRRVINGDLSCGG IFGQKLEDTVRYEKRYGNRLAP MLVEQCQDFIRQGLKEEGLFR LPGQANLVKIELQDAFDCGEKP SFDSNTDVHTVASLLKLYLREL PEPVIPYAKYEDFLSCAKLLSKE EEAGVKELAKQVKSLPVVNYN LLKYICRFLDEVQSYSGVKNKMS VQNLA TVFGPNILRPKVEDPLTI MEGTVVVQQLMSVMISKHDCL FPKDAELQSKPDQGVSNNEIQ KKATMGQLQNKENNNTKDSPS RQCSWDKSESP/TEKQHEQWIP HSSIRQQNQPKQEQWSQAI
6661	37029	A	6711	173	881	
6662	37030	A	6712	1605	1844	
6663	37031	B	6713	123	699	
6664	37032	A	6714	1	462	
6665	37033	A	6715	1	2607	
6666	37034	A	6716	1	918	
6667	37035	A	6717	1	549	
6668	37036	A	6718	1	687	
6669	37037	A	6719	1	258	
6670	37038	A	6720	90	1621	HGLDLRTMNRSRQVTCVAWV RCGVAKETPDKVELSKGGVKR LIAEAEELQEEGGSDDEKGTG SPLEEGMQSARTQARP/REPLE/ DGDPE/DRTLDDDELA EYDLD KYDEEGDPDAETLGESLLGLT VYGSNDQDPYVTLKDTEQYER EDFLIKPSDNLIVCGRAEQDQC NLEVHVYNQEEDSFYVHHDILL SAYPLSVEWLNFPDPPDDSTGN YIA VGNMTPVIEVWDLDIVDSL EPVFTLGSKLSKKKKKKGKKS SAEGHTDAVLDSLWNKLIRNV LASASADNTVILWDMSLGKPA ASLA VHTDKVQTLQFHPFEAQT LISGSYDKSVALYDCRSPDESH RMWRFSQGIERTVWNHFSPOCH FLASTDDGFVYNLDA RSDKPIF TLNAHNDEISGLDLSQIKGCL VTASADKYVKIWDILGDRPSLV HSRDMKMGVLFCSGCCPDLPFI YAFGGQKEGLRVWDISTVSSV NEAFGRRERLVLGSARNSSISGP FGSRSSDTPMES
6671	37039	A	6721	1	549	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6672	37040	A	6722	1	1318	AKQQLNLRTHMADENKNEYA AQLQNFNGEQHKHFYVVIPIQY KQLQEMDERRTIKLSECYRGFA DSERKVIPIISKCLEGMILAAKS VDERRDSQMVDVSFKSGFEPFG DFFPEDYSQHIYRTISDGTISAS KQESGKMDAKTTVGAKAGKL WLFGKKPKQSPPLTPTSLFTSS TPNGSQFLTFSIEPVHYCMNEIK TGKPRIPFSRSLKRGWSVKMG/ AALEDFSHLPPEQRRKKLQORI DELNRELQKESDQKDALNKMK DVYEKNPQMGDPGSLQPKLAE TMNNIDRLRMEIHKNEAWLSE VEGKTGGRGDRRHSSDINHLVT QGRESPEGSYTDDANQEVRGPP QQHGHNEFDDEFEDDDPLPAI GHCKAIYPFDGHNEGTAMKE GEVLYIIEEDKGDGWTRARRQ NGEEGYVPTSVIDVTLEKNSKG
6673	37041	A	6723	1	741	
6674	37042	A	6724	1	1063	MPFYISDLICGDRILRALCPQD LPTYSLHSRGMKMRASCRKFLD NNSSRLVSCNMGALISIWGTTT PPLHATILDSQPTVHPPLAKDCL PCGLQASASDLRALQRLCQ QLPWVGSQPHTRSPSPQRGGKT GLFAGLASSVSMRPASPPSPA DSCSACRFFARRPPLRVTWVKP SSALALCVSISDSPGNLALPA ETRAQLHHAESLSQPPLQLRP FPKTSQAGDLQDLGPYVCVRK AVGKGDKQIRAVVKEHSVRSQ ERIWHPGITTANMPGHLGQNT ESGRDKLPMFGVWFPGRFWG LWVWRLP*LKLAAPCRPSRSLR SSPISRRASSTRCLTVSGCPAAP
6675	37043	A	6725	25	573	
6676	37044	A	6726	1	483	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6677	37045	A	6727	1	996	MVGKAKWKPIELPLRRKIVNQ KQYHIPGGVAKISATIKDLKDV GVVPTTSPFNSPIWPVQKTDGS WRK WLS*QGQQT/FTVLPHG YINSLALCHNLIRRLDHFSLPQ DITLVHYIDDIVLTGSSEQEVAN TLDLLTSLDWALVETECLTMG HQVTMQPELTIMNWALSDPSN YKVGAQQHSIIKWKWYIRDQ ARAGTTCKWTAALQPLSRTS LKDSGERKSSQWAELEAVHLI MHFAWKEKWPDVQLYTDSWA VANGSAGWSGTWKNHWDKIA TTVIAQWAHEQSSHGSRNGGY TWAQQHGLPLTKADVATATDE CPICQQQRPTLSP
6678	37046	A	6728	2	1380	CLAGLFGFWSPCIPHLGLVLLQSI YLVTQKAA/SSEWGPEQEKALQ EVQAAVQAAALILEPYDPAGPVV LEVSLADRDVWSLWQAPIGE SQQRPLGFWSKALPSSA/DHKA CHAAQHSIIKWKWYIHDRARA GPEGTNSSARYAATM*KWITAS ALQPLSRKSLKDSSEKSSQWA ELRAVHLAVHVAWKEKWPDV RLDTSWAVANGLARWSGTW KEHDRKIGDKEVWGRGTRIELS EWSKTVTIFVSH/VLLPRLPSIRG LTECLIHQHGPHSIASDQGTHTF TAKELQQWAHAHGIHWSYHVP HHPGWGWKVLQAVYALNQRPP IYEWKEESCLHTGVADALRGN WAEGRHREHKALWGLWSTWS QHPLRSLKTRRHHPGLGVLS ICEAGGATELSRASGFATGYG KRKEDTKKHKQHSVSDIIEQQH SLGLTEKTVKGTPTQGISMRRP LYHKATEFQE
6679	37047	A	6729	1	2229	
6680	37048	A	6730	1	789	RDLQPFTSVTVHCRKGNDDTF GGPLDAGSELTLIPGDPKHHCG PPVKVGYGGQVINGVLAHPL IWL VQKTDGS/WRMTVDYCKL NQVVIPIAAVSDVVSILEQINT SPGTWYAAIDLANAFFSIPVHK AQKQFAFSWQGOQYTFVLPL QWYINSPALCHNLIRRLDCFS LPLDITLVHYIDIMLIGSSEGE VANTLDLFRHLRARGWEINPT KIQGPSTSVKFLGFQWCGACQA IPSKMRDKLLHLVPPPTTKKEAQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6681	37049	A	6731	1	553	MTVDYCKLNQVVIPIAAVSD VVSLLLEQINTSPGTWYAAIDL NAFFSIPVHKAQQQAFSWQG QQYTFTVLQWYINSALCHNL IRRDLDLDCFSLPLDITLVHYIDDI MLIGPRQLLACY/WALVETEHL TISHQVTMRPELPMNWVLFDP SSHKVGCAQQHSIIKWYVH DWARAGPEGT
6682	37050	A	6732	3	266	
6683	37051	A	6733	3	582	
6684	37052	A	6734	3	403	
6685	37053	A	6735	1	2712	
6686	37054	A	6736	875	1506	LSIYLVTVQKAA/SSEWGPQEKE ALQEVQAAVQAALILEPYDPA GPVVLEVSLADRDVWVSLWQ APIGESQQRPLGFWSKALPSSA/ DHKACHAQQHSIIKWYIHD RARAGPEGTNSSARYAATM*K WTASALQPLSRKSLKDSSEGK SSQWAE LRAVHLA VHVAVWKE KWPDVRLDTSWAV/ANGLAR WSGTWKEHDRKIGDKEVWGR GTRI
6687	37055	A	6737	1	633	MTVDYRKFNQVVTPTMAA/AVP DAVSLLEQINTFPGTWYAAIDL ANAFFSIPVHEAHQKQFALPLQ GYINFALCHNLIRRELDFFLLL QDITLVHYIDILLIGSSEQEVV NTLDLLIHKRSKEAEHTAASRIR VSCLPEQKSHEQLTPWEQVPSS GDIKEYFPNAFVLLTTASLQGG DNLSQLQLTWKAPEDIKMSKT DADADEEIEALRG
6688	37056	A	6738	2	1103	DLWPFTRVTLHRGKRNDQTQ GLLDGTGSELMIPEDTKHHCGP PVKVEAYGGQVINGVLAQIQLT VGPVGSNGTHPVVIYPVPECIIGI GILSSWQNPHGSLTSRKTDGS WRMTVHYHKLNMVTPIAAAI PDVVSLLEQVNTSPGSWYAAID LANAFFSIPVHKAHQKQAFSW QQQYTFTVLQWYINSALCH NLIRRDLDLDCFSLPLDITLVHYID DIMLIGSSEQEVANTLDLFRVRL LRARGWEINPTKIQGPSTSVKFL GFQWCGACQAIPSKMRDKLLH LVPTTTKKEAQCLQLLACY/W ALVETEHLTISHQVTMRPELPI MNWVLFDPSSHKVGCAQQHSII KWKYVVDHVARAGPEGT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6689	37057	A	6739	1	2058	
6690	37058	A	6740	2	1173	WEVRQYFTFTVPQGHINSLVLC HDVVRRLDGHFFLPQDITLVHY IDDIMLIGSTPPTKKKAQLVVG LFGFWRQLVPHLGVLLWPIYQ VTQQAASFEGPEKEKALQQV QAAVQAALPLGPYDPADPMVL EVSVADRDVAVWSLWQDPGES QWRSLGFWSKALPSSADNYSPP ERQLLACYWVLVETERL/QWV TPAEEDFNNQVDRMTHSVDDTT QPLSPATHVITQWAHEQSGHG GRDGGYTRVQQHGLPLTKADL ATAGKVFFQKAV*ALN*HSIYGT LSLIARIHRSRNGQVEVEVAPLT ISPSDPPAKFLLPVPTLRSAGLE FLVPEEGMLPSGDDTVPLNWKL RLPPGHFGLLFLPHQQANKGVT VLVGVTDLQDEISLLPHNG
6691	37059	A	6741	823	2487	KELKLWKNRHKLLSYPTVGAA VTQLQNLTAGVIGSHGARGQ VVALNRQRQGLDQPFTRVTVH WGKG/NMQIFGGLDGTSELTL IPGDPKHHCGRPPVKVGAFFGQ/ VINGALARVQLIVGPVGPWAHP VVISPVPECIIDISSLSSWQNP SLTGRVRAIMVGKAKWKSLEL PLPRKIVNQKYHIPGGIVEISA TIKDLKDAGEVPIPTTFPLNSPI WPVRKTDGCRMTVDYCELN QVVTPTAATVPDVVSLLEQINT SPGTWYADIDLANAVFSIPVHK AHQKQFAFSWQQQYFTVLP QEYINSLGLCHNLIQRDLDFSL LQDITLVHYIEDIMLIGSTEQEI NTLDLLFMAKEVWQWAHAHG IHWSYHVSHPEAAGLIEWWK GLLKLQLQCQLGDNTLEGWGK VLQKTVYALNQHPYGTVSPIA RIHRSRNKGVEVAPFTITPSDPL PQFLLPVPATLCSAGLEVLAP GGTLPFGDRTTIPLNWKLRLPP EDFGLLPSLSQQAQKGYTVLAG VIHPDYQDEISLLHNGCKEDL
6692	37060	A	6742	3	350	
6693	37061	A	6743	1	3339	
6694	37062	A	6744	1	2271	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6695	37063	A	6745	3	1377	AHLAADDFTK*GWVSGLPQG LDKLTLPGANLEMQPNLKED LVYLKKNHEELSMAIKRNESM AKGLQRRALLQQQFEDDSKCFP RPQDLIRLYDIILQLTLEDREGK GLSFSFACVDKDVSVKMDTVP GVNLSCLINEMRDQDKKLVEK SCKDAQGWFFSLKALLEGSLVE TEVCYRTQLAQLQGLIRSMEEQ LCELCCDAEHQDHEHQVLLDV KTQLEQEIATYSRLLEVEDAQL ATQYSLSLASQPTREDLEKAIL KFIWNQNRQAIAKTILSKSKA RGIMLPFSKIYYKTTVTKTAWC WYKNRHIDQWNRIENPEIRPHT YNHVIFDKPDKRKQWGKDSLF NKWCWENWLAICSKLTDPFL NPYTKVNSRWIKDLNLOPKTIK ILKENLGNAIQDTGKGKDFMTK MPKAIAATKAIKDWLIKLSKF CTALRNYQSKPTTYRMGENF
6696	37064	A	6746	1	882	
6697	37065	A	6747	13	1402	STGSTHACDLLFSPSPVCLPPAA ATMTTSIR/QFTSSS/SIKGSSGL GGG/SSRTSCLSGGLG/AGSCR LGSAGGLGSTLGG/SSYSYSCYSF GSGGGYSSFGGVDGLLA/GGE KA/TMQNL/NDIRLGSYLDKVP PWKEANTELEVKIRDLVTRGR APGPARDYSQYYRTIEELQNKI LTATVDNANILLQIDNARLAAD DFRTKFETEALRLSVEADING LRRVLDELTLARADLEMQIENL KEELAYLKKNHEEEMNALRGQ VGGEINVEMDAAPGVDLSRLN EMRDQYEKMAEKNRKAEDW FFSKTEELNREVAATNSELVQSG KSEISELRRTMQALEIELQSQLS MKASLEGNLAETENRYCVQLS QIQGLIGSVEEQLAQLRCEMEQ QNQEYKILLDVKTRLEQEIATY RRLEGE DAHLTQYKKKEPVTTT QVRTIVEEVQDGKVSSREQVH
6698	37066	A	6748	2	452	FLLPSSFCTHSLSPITITIVGPG DFNLASHIIPDTTPDPHDCISMIH LTFTFPFHISFFVPHPDHA*FID GSSTRPNRHTPAKAGYAIAQAT IPPLRTSHFLSIVEIYPQGNNSFV FHVLFYSSGHHQAPSLPYTLRR DRRPGTSRA
6699	37067	A	6749	1	1791	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6700	37068	A	6750	1	219	
6701	37069	A	6751	2	528	TLTVESKSIKAYKLSLQFPHTC PKTGHALQVSSGFVESPTVITVP GLDINLASHTIPDNTPEPHDCIS LIHLTFTFPFHVSVFPVPHPDHT WFIDGSSSTRPNCHSPAKTGYAI VSSTLIIDATALPPSTTSQQAEI ALTRALTLAKGLPINIHTDSKY AFHILHHHAVI* AER
6702	37070	B	6752	1	1744	
6703	37071	A	6753	1	1376	MCKRMPGLQASQTVCPFYDKN YLDLKRKGTEIKRRERLKCGTK IERRKRLRDSERLEKRIKRGCLP DLKLSTEIQINRLRGLYTLLRKE RRFGLQETINYAEVTGIYVKELI EDREHLNSGKYIFNIFDIKVPV VFGLIDPYMLWEKKEGTKEGJK EGMKRESQKRIKWERSFITFIAL NTADRTLMSAGCYRKQVKIHI DALPPNSQTLKKRGGASLIISF RRQSGPSAAGLWFAARGPFQTL FAWLSPAEAAEQORLLPASSAE SFIAEGDPPDAGQSSPPSSLHAA AATALLLEALKITNYAQLTLY SSPNFQNLFSSSHLLTHLSADWL LQLYSLFVESPTITIVPGPDFNPA FHFIPDTPDPHDCISLIHLTFTF FPHISFFPVPHPDHTWFIDGSS RPNRHTPAKAGYA/DGRNTSYC VLPVPGNSPLVPNPGSARCTEG GLLYARA
6704	37072	B	6754	400	820	
6705	37073	B	6755	1	1190	
6706	37074	A	6756	1	1002	
6707	37075	B	6757	1	3216	
6708	37076	A	6758	1	4020	
6709	37077	A	6759	1	1155	
6710	37078	A	6760	2	346	SSYLMHILSAPNLLQLYSLFVES PTITIVPGPDFNLASHIILDTTPD PHDYLSDDPDHIS/TFP/DISFFPV PHPGHTWFNDGSSSTRPNRHSPA KAGHAIVFSTSIIAETALPPSTT
6711	37079	A	6761	189	1201	
6712	37080	A	6762	1	231	
6713	37081	A	6763	1	834	
6714	37082	A	6764	470	479	PRNPSSFLQVQVQHRFLQLFVP FHFVFLLASLYVMVTLTTFWR* DPCVSGMALNCSFLKIASSSGE YLRPTPSYLNQVVRVTMT
6715	37083	A	6765	21	706	
6716	37084	A	6766	1	158	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6717	37085	C	6767	78	401	
6718	37086	A	6768	536	694	
6719	37087	C	6769	1	1410	
6720	37088	B	6770	1	1836	
6721	37089	A	6771	306	487	VGFLGILF/CFEAIVNVSSLMIW LSVCLLSVYKNACDFCTLILYP ETLLKLLJSSSLYLW
6722	37090	A	6772	714	1096	FFLPMSMECSSICLYPL/CISLRS GL*FSLKRSFTSLVSWIPRYFILC KSQGMRWLGLGSEA*YSCLLIL IRKITQNSVEVLGRKFLGGGM EREWVWFLRAASSGIRGSVGT NFKSESRIQISCASV
6723	37091	C	6773	1	2796	
6724	37092	A	6774	126	490	FFLPMSMECSSICLYPLFPAGAV VCSSP*RGPSHPL*VGFLGILF/C FEAIGNGSSLMIWLSVCLLLVY KNACDFCTLILYPETLLKLLISL RRFWAETMGFSRYIIMSSANRD NLTSSFPN
6725	37093	A	6775	1	550	
6726	37094	A	6776	578	865	MCPRDYGMLCLCSHCFKEHLY FCLHFVMPYVVIQEQVVFQPCS *AVLSEFLNPEF*FDCTVV*ETV CYNF*SFTFAEKSFTSNVSVNFG IGVVWC
6727	37095	A	6777	1	2091	
6728	37096	C	6778	1	1458	
6729	37097	B	6779	1	504	
6730	37098	A	6780	70	511	NHASPGIRNLFHPRGLRAITIA VFCKQNTYIRLEPFKINVLEQIT KHIEKLQCGGVVKLSRRGNN QHISSTYDINRADTQVRAVNN YDIIV*ATVSMASRSIRCGSVGS LPSSNLPIINSVIRCARQEGIM SSPGQQVGFA
6731	37099	A	6781	3	306	
6732	37100	A	6782	1	3567	MHIVVETALSASWQNKAKPPA RVLLQVVPNVWFLVAVVWEL YPSLDLMDRSIECSSPATEQS WTENDYDKLREEGFRRSNYSE LQEDIQTKGKDVENFEKNLEEC ITRITNTQKCLKELMELKTKAR ELREECRSLRSCDQLEERVSV MEDEMNMKQEGKFREKRIRK NEQSLQEIWDYVKRPNLRIGV PESDGENGTCLKNTLQDIIQENF PNLARQAKVQIEIQRMPIQRYS LTRATPRHIIVRFTKVE
6733	37101	A	6783	386	550	
6734	37102	A	6784	1	594	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
6735	37103	A	6785	1	1324	MGKKQSRKTGNSKRQASPPK KERSSSPAMEQSWMENDFDEL REEGFRRNTYSELQEQIGQTKGK EVKNFEKNLDECITRITNTEKCL KELMELKAKARELREECRLRS RCDQLEERHHTTPIPKLTTYLE VKLSPANVKEQVITNCLSDHSA IKLELRIKKPTQNPSTTWKLN LLNDYVWNKEMKSEIKMFFE TNENKNTTYQNLWDAFKA VCRGKFIALNAHKGKQERSKIDTLT SQLRELEKQEQTHSKVSRQEI TKIRAEPKEIETQKTLQKINESR SWFFERINKIDRRRLRIKKKRE KNQRDAIKNDEGDITDPTIEQIT TIREYYKHLANKLENLKEMD KFLNTYTLPRNLQEEAESLNRPI AGSEIVAIHNSLPTKKSPGPDGT AEFYQRYKEKLVFGAGYFGM WALAALPSNLLKLSQLCQEEA EVNVLVQFVCIC*SCLNSVRRQ
6736	37104	C	6786	1	1719	
6737	37105	B	6787	1	1098	
6738	37106	C	6788	1	1782	
6739	37107	A	6789	3095	3217	CRCLQMAM*WS*AIALSMKIS MSPRKPEV*IKVLAGLCLL
6740	37108	A	6790	1	5364	
6741	37109	C	6791	1	2505	
6742	37110	A	6792	37	1214	KLLQDLPFSSINSSAVEKISMSTT GQVIRCKAAIILWKPAGPFSIEEV EVAPPKAKEVRJKVATGLCGT EMKVLGSKHLDLLYPTILGHEG AGIVESIGEGVSTVKPGDKVITL FLPQCCECTSCNLSEGNFCIQFK QSKTQLMSDGTSRFTCKGKSIY HFGNTSTFCEYTVIKEISVAKID AVAPLEKVCILSCGFSSTFGAAI NTAKVTPGSTCAVFGLG/VGVL SVVMGCKAAGAARD/IIGVDVQ QGRKF*GRAQELGATEC/LNPQ ALKKPHFKEVLFDMTDAGIDFC FEAIGNLDVLAALASCSNESYG VCVVGVLPASVQLKISGQLFF SGRSLKGSVFGGWKSRQHIPKL VADYMAEKLNDPLITHTLNL DKINEAVELMKTKW
6743	37111	B	6793	1	2280	
6744	37112	A	6794	1498	1764	LVLYKVMGRMEPSWKTLCRIL SRRTSANLSKAGQCSDSNGTEN TTKILLKKSNSKTHNCQIHQS*N EGKNVKGSRQERSGYPRGRPS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6745	37113	A	6795	3	640	
6746	37114	A	6796	1	996	
6747	37115	A	6797	1	933	
6748	37116	A	6798	74	1128	LLLDL*VD*SPSRPLEMRFRV*P MKRCTTLKKNYLSFLVVISRNL *NRVKAIM/VGKAEWKIETPL PRKTVNQKQYRIPGGIAEISTTI KELNNAGMVIPTTSPFNSPIWP VQKIDGSRWMTVDYCKLNQV VTPIAATVPYVVSSELEQIN/TSPG T/WNRKRCNRSRLHKLCHL GHMTQOI*CFRLCQWHIGMLF GPEICGCTLSGQKL/WKIFVSH AASFWSPEQEKALQQVQAVV QAALPLGPYPDPADPVILEMSV ADRDVAVWILWQAPISESQWRPP GFWSKALPSSADNYSFPERQLL ACYWTLVETERLTMGHQVTIPP ELPIMNWVFSDLSSPKMCHPQQ
6749	37117	A	6799	1	229	
6750	37118	A	6800	1	1011	MVSTPATLPSLPKALMASWG VPYDQLTKEEKTRVWFTDGS RYAGTTQKWTAVALQPLSRST LKDSSEGKSSQWAEQAVYLV VHFAWKEKWPDPGLYTDSWA VANGLAGWSETWEKQDWKIG DKEIWGRGMWMDLSEWSKAV KIFVSHVSAHQRVTSAEFEFNN QVDRPL/PVFTQWAHEQSGHSG RDGGYSWAQQTGLPFTKADL AMATAECPCQQRPTLSPLYS TIPQGDQPATWWQIDYIGPLPS WKGQKFVLTVIDTYSRYFAY PAHNASAKTTIHGLIECLIHCY IPHSIASDQSIHF/TTKEVQ*WAH AHGIHWSYHVSHHPEAAGL
6751	37119	A	6801	2	739	HKMGHAQQHSIIKWK*YICDW ARAGPKGTTAPMASWGVLYD QLTEEEKTRAFTDGSARYAG TTQKWTAALQPLSRSTLKS GEGKSSQWAEQAVHLVVHFS WKDKWPDVRLYIDSWAVANG LAGWSGTWKKHDWKIGDKEI WGRGMWMDLSEWPKPVKIFG SHVSAHQWVISAEEEDFNNQVD KMTCSVDITQPLSPATPVITQW AHKQSGHGGRDGGYTWAQQH GLPLTKTGLAMATAECPI
6752	37120	A	6802	1	354	
6753	37121	A	6803	3	592	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6754	37122	A	6804	126	365	QLAEPHWLPD*KGAGFEWGP EQKKALQ*VQAAVQAAALPLGP YDPADPMVLVVSVADKDAVWI FHLGSDRWRRTRYRCL
6755	37123	A	6805	1	636	MEFNDSMHNTFDHIWRTKEYD EAGWLLSSLDKAMKENDEL DSNSQIQKQILSLQSSKILNLTE GTVVTLQNLNSVGIIGSQGGR GQVAALSLQRQGASFEWSPEQ EKALQQVQTAVQAAALPLGPYD PSPDMVFEVSADGNVWSLW QAPIGELQWRILEFWSKALPSS ADNYSFGRQLLACYWALVET EHLTVDHQVT/M*PELPI
6756	37124	A	6806	1	672	
6757	37125	A	6807	308	470	
6758	37126	A	6808	1	1908	
6759	37127	A	6809	1	1218	MGIIGSRGGRGQVAALKRQRQ VTKKAASFEWGPEEAKLQQV QAAVQAAALPLGPYDPADPIVLE VSVADRGA VWSLWQVPIGESQ QRPLGFWSKALPSSADNDSPF RQLLACYCAI.VETERLDMGHQ VTMRPEVLIINCVLSDPSSH/QG WRLCMSATWTSTYQ/A*PGY GHC*VPNLPAAETNTDPSIWHH S/YG*LASYLVIG*LHWTSIME GAEVCPHWNRLRLI*VCLSCT QCFCED/SHPWIHE/ASYLPSWH ST*HCL*SRHSPYS*RSVAVGSC SWNSLVLPSPSS*SSWINRMV EWPFEVTITMPTR*QYSAGLGK SSSEGCVCESASNIWYCFRSQ DSWVQESRGGSGSTIIHHF** PTSKIFASCFDLMFCWT*GCS/S *WRNAATTRHNNFI
6760	37128	A	6810	901	1142	GPEDLQGLFSLFQDPLL/SHPV CLEALAPFPSPVVPISFPHPVA GEFWLYPSGAA/RASSDAQSWT VIAVSPLRGLNSWG
6761	37129	B	6811	1	1452	
6762	37130	A	6812	122	1838	
6763	37131	A	6813	101	249	MTHVTALRTSSNLMRN*RKVG EAKSQEH*S*QACHL.KSRMSS SRLWIN
6764	37132	A	6814	1	1074	
6765	37133	A	6815	310	397	LTIWQDSNPGSCL*GCSVCAHA /CVGQGHMVC*PSYSLYLKSE PKEGTGRNKDPDLNSQNRKGF LEQIHQ
6766	37134	A	6816	1	583	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6767	37135	A	6817	1	486	
6768	37136	A	6818	2	1001	
6769	37137	A	6819	1	2307	
6770	37138	A	6820	3	393	
6771	37139	A	6821	1	1776	
6772	37140	A	6822	1	1140	
6773	37141	A	6823	1	558	
6774	37142	A	6824	2	798	PRVRIFFSITWYSLRVLTEISLW GGLLLVVIITQYDMTRTRNKYL HTNSLVLANMSAQFRSLHQY AA\QRIIRLFSLLSKKHNVLEQ ATQSLRGSLSNDVPLPDYAQD LNVIEEVIRMMLEIHNSCLVTNS LHHNPNLGITPWLQ\RRSLWN NFRVTHPSFQINGKII\WVIF/LS /SRLQGLAGKLGAEISVERVLEI IKQGVRI\SLPKDRLLKKFPFLKFK YVEEEQPEEFFIPYV\SLVYNF SSRPVLGIPQDIPAVSPWVSD
6775	37143	A	6825	3	206	PSASRPWAHPALHPSVPVARG WQPP\TGLHPLREQRGLGQHM* QSSGQQPQGGVGP\GSHFPAL WAQL
6776	37144	A	6826	200	601	EMGSCDQWQRPCVPWEAVVM PRDP/LKMALAVVWP\KMKAPR VTKRTP*LTSTHQLAGLTSSISE SLA*MRHSPGKTKMKQAARPP MTEITLPM\SGMK/VQQQGEQE PDQRLQHSPPPLPPHVLLHWH LVAQFQA
6777	37145	B	6827	25	1407	
6778	37146	A	6828	1786	1795	HC*LNALPSGETWGQKRGPLG TQLPLPL/VPLRAPKGRSPKGSK GPTHHTWALSSFS\LTSPQVTVG TEDQATSASGRPWLRIGTGPGG GRVWAGRDSIRGV\PALTVLHV LSSLGRETP*RPCLRGPTAPAGP KRAPGKWLPWSQAPPCGCCPR *LSHVL*DRNRCAW*KGGGRG L/LRAPTPVPELA\PHPCGPATL SKPLSSPNMPAQGLTQE*PGSV ANLPPYPG\ALLCLGRREWDER GQVG*VPTSEME*RRTEPLKT PGDCSAAASKIPSF\SNRTPFPPL CPHKNK\KGT
6779	37147	A	6829	1	311	
6780	37148	A	6830	1	402	
6781	37149	A	6831	1	750	
6782	37150	C	6832	130	450	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6783	37151	A	6833	1	875	MRLRLRLKLVKEQHVELYQKYS NNSWRYLSNRLAPSDSPEWLS FDVTGVVRQW/VWSRGGEIEGF RLSAHCSCDSRDNTLQVDINGF TTGRRGDLATHGMNRPFLLFM ATPLERAQHLQSSRRHRLDTK YCFSSTEKNCCVRQLYIDFRKD LGWKWIHEAPKGYHANFCLGP CPYIWSLDTQYSKVLALYNQH NPGASAAPCCVPQALEPLPIVY YVGRKPKVEQLSNMIVRSCKC NLGPAPPRPAPAGPAPRPAPV ALPMGAVFKDTRAPSPPGAPLK MERGKKKKKK
6784	37152	B	6834	162	635	
6785	37153	A	6835	2	1846	
6786	37154	A	6836	322	2104	
6787	37155	A	6837	1	352	
6788	37156	B	6838	92	1774	
6789	37157	A	6839	260	1016	
6790	37158	A	6840	479	1937	DVEHVGMKRRRWRRRVVVAD GNVVKPMSCAGDLQ/PFTRVTV HWGKGNDQTFQDLDLTGSELT LIPGDPKRHCAPPVKIGAYGGQI INGVLAQVQLTVDAVGPWTHP VVIFPVPECIGIDMLSSRQNPHT GSLTGRVWTIMVRKAKWKPLE LPLPRKIVNQKYHIPEGIVEIS ATIKDLKDAGVVPTTSPFNPI WPVQKTGSGWRMTVGYCKLN QVVTPIAAAVPDVVSLEQINT PPGTWYAAIDLANDF
6791	37159	B	6841	20	26	
6792	37160	B	6842	2	207	
6793	37161	B	6843	187	405	
6794	37162	A	6844	451	770	LFLFLLSSHPRSSASWYRHRH PHHPAARLPVADSASSSSPSS SSPSPSSSSSSPSSSSSFVYPHC QPPAPHFPH*HSR*QGRLFHFLP LPQLPSSPLSPWW
6795	37163	A	6845	1	417	
6796	37164	A	6846	191	314	
6797	37165	A	6847	129	212	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6798	37166	A	6848	1	192	CALNAGL/IGENEAKRRRSKVT QEADFPMSMDGASNFVRGDAI AGILIMVINIVGGLLVGVLQHG MSMGHAAESYALLTIGDGLVA QIPALVISTAAGVIVTRVSTDQD VGEQMVNQLFSNPSVMLLSAA VLGLGLVPGMPSLVLLFTAG LLGLAWWIRGREQKAPAEKPK VKMAENNTVVEATWNDVQLE DSLGMATGLLT*PIFRAQWTGQ VTLFAAMPSPGSSSWSLTLAG CWSACCNMA
6799	37167	B	6849	65	1129	
6800	37168	B	6850	46	1038	
6801	37169	A	6851	2	413	PSFQGPVSLPSITVVSIDSQASKP LKTPTQLWCQLRQYSFKHSFLV VPTCPVPLLQ*DTLTKLSASLTI PGLQPHLIATHLNPQVEDTSIPS LATYHAPLTISLKPNIHPPSQC QYPIQHALKGLKPVITHLLQH
6802	37170	C	6852	35	346	
6803	37171	C	6853	239	484	
6804	37172	A	6854	1	1020	
6805	37173	A	6855	3	131	
6806	37174	A	6856	1	956	MAGALPPASLPPCSLISDCCASN ERSSMGIGPSEPCAGYNLLVCR LTKKKRIRSTNKVWDYVVRPN LRHIGVPEEEENSKSCENILGEIIE ENFPSLATDLDIQIEAQRTPOK FITERSLPRYIVIRLSKVKTAKERI LRAVRQKHQIFLTQRLKNTAQ SPQKLPGPSQTLVLTREITIVP GLDFNPASHIADTTPDPHDCIS LIHLTFIQPHISFFVPHPDHTW FINGSTRPNRHSPAKAGYAIVS STSHIETTLPSSTTSQAEFIAL TQALILAKGLCINIYADSKY/AF HILHHHAVIWAERDTFTG
6807	37175	A	6857	1	1269	
6808	37176	A	6858	1	741	
6809	37177	B	6859	411	1257	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6810	37178	A	6860	438	3997	SPLPHSTPISHPAACFKKIKACY HLPATAWPKAYKLSLQFPHT CPKTRQGLQHNSHKNTALPD YRLRLISQTPIPSTKQQLSFLG MVSKVRILTQELGPRPIAFLSKQ LDLTVLTQPSCLHAAAAAAIL LKALKITKYAQLTLYSSHNFNQ LFSSSYLMHILSAPWLLQLYSLF VESPTITIVPGTDFNPASHIILD TPDPHDCISLIHLTTFPFRISFFP VPHPNHIWFIDGSSTRPKCHSPA KAGY
6811	37179	A	6861	245	505	
6812	37180	A	6862	346	522	PAPEFWVHG*NVSPLSL*SKEQ EDRGFISQGRSPDLSHGTFHV RPCEETTKQALCEQH
6813	37181	A	6863	3	879	SGDLPEINPSSYTLLCEKDPP TISGPQTNQPKHILTNFKSETK ETRFIRGPTTPAPVTDWEGSLPL VFNHSRDTSLIHPGFRGVRPRR DACLGPSLAASPTFLGKGPA PRQTELGPNSSASAPPPYNPFI ASPPHTWSGLQFPMSPTPPPA QQFTLKKVAGAKGIVKDLINLT FKVYNNRKKLQFLASTVRQTP ATSPAHKNFQTPELQQGPVPE PPPRGACYKFQKSGHRAKECLQ PRIPPKPHPICVGPWHKSDCP THLAATPRAPGTLAGGSLTPSQIFL
6814	37182	A	6864	143	331	DTSTPSLVTDHASLTISLKPNIH YPD*CYPIPQHALKGLKPVITC LLQHGLLKPINSYPRA
6815	37183	A	6865	1	783	
6816	37184	A	6866	32	415	WRHALKGLKPVITRLLQHGLL RPINSYPNSPFLVLEPDKPYRK RK*ISPPNRHILASVEVLKNQVN SHEFERSALIHTLSGLAPCSLH KMCSKLPKRSFLSVGSGTGKEAR SKILTFRTASRHLVL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6817	37185	A	6867	1	1374	MSELPTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILPK VIYRFNAIPIKLPMTFTELEKTT LKFIWNQKRARIASILSQKNK AGGITLPDFKLYYKPTETKTAW YWYLNRRDIDQWNRTEPSEITPH TYNYLIFDKPEKNKQWGKDSL FNKWCWENWLAICRKLKLDPPF FTPYTKINSRWIKDLNVRPETIK TLEENLGITIQDIGVGKDFMSKT PKAMATKDKTGKWDLIKLSF CTAKETTIRVNRQVAALLNSA VFQNAVEVVVWPSSEVHVKFL FCKIISCAQKQPIKFDGSSSL GVATAMMSATIAHLKRIKACY RSPVTAWTFKAYKLSLQFPHFT CPKTGQALQ*HT*KGLKPVIAH LLQHGLLPINSPPYNSLILPVQK PDKPYRKLESFTSKAIKWHQIPS VPGKHLC*GS*RSPVTAWTFKA YKLSLQFPHFTCPKTGQALQEA GVIHFGKHGMASDPITQGNITYA NKVAKEAASVLTSPVHGQFFSF SSVTPTYFPTIEDFTYMPQVRKL KHLMV
6818	37186	A	6868	122	281	
6819	37187	A	6869	2	2144	
6820	37188	A	6870	224	418	LSQWRHALKGLKSVITRL*HG LLKPINSPPYNSPIVPVLKPKDKTY RKVESFTAKTIKRCQIPLL
6821	37189	A	6871	5	289	
6822	37190	A	6872	1	2205	
6823	37191	C	6873	1	2082	
6824	37192	B	6874	1	1614	
6825	37193	A	6875	1	2067	
6826	37194	A	6876	1	1152	
6827	37195	A	6877	1	798	
6828	37196	C	6878	488	788	
6829	37197	A	6879	90	765	NTVFLGVVLPLELKLRIFFLLD VRSVLSLSAVCRDLFTASNDPL LWRFLYLRDFRGRNDIYSWT TKDFEYYINLVDKTEARFEKVD SDFESFTVGKMPSPNSIACTEKSF MKGRVSQCDKKPVITRLQLHG LLKPINSPPYNSPILPVLPDKPY KLVDLHRINQVLPHPGCAQP HTLFCPQYLPQLTIPVPLKDA FFTIPLQPSQVPLFAFT*TPDPT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6830	37198	A	6880	1824	2286	PRVLRPNSPRNISPISNRIFSD*R CPIASEASWTITDALG/RLLQWR HGLLNPNISPYNSPILPVQKPKD PYRLVQALLSLPQLPLFLAWTSI WPPTLFRITLLNPMPTVSL*ST*H SLHFPMFPSFLFLTLITLGLLMA VPLGLIATHQQRAML
6831	37199	A	6881	930	1289	LSQWTDGLLKPMSNPYNPILP VLKPKDPYK*VQDLRLINQIVL PIHPVVNPYPYTLSSIPPSTTHY SVLDLKLAFITPLHPSSQPFFAF TWTDPDTHQAQQIT*AVLPQSF SDSPHE
6832	37200	A	6882	2	196	IHGCKFIQCKRILSNFTEVADHV HDQIRL*TGIRLLTQPPRLSCR HQVAQHSVCRYLCQLPLL
6833	37201	A	6883	2	1441	LNQEEGESLNRPTGSEIEAIINS LPTKKSPGPDGITAIFYQRYKE ELVPFLVKLFQSTEKEGILPNSF YEASIIIPKPRDRTTKKENFRPI SLMNIDAKILNKILANRIQQHIK KLHNGQHINRTNOKSHIISIDA EKTFGKIQQPFMLKTLNKLIGID GTYLKIIIRAIYDKPTANIILTGQ KLEAFPMKTGTREGCPLSPLL NIVLEVLARAIQKEIKGIQLG KEEVKLSLFADDMIVYLENPIV SAQNLLRLISTFSKVSGYKINVO KSQAFLYTNNRQTESQILSELPP TIASKRIKYLGIQLTRDVKDLFK ENYKALLNEIKEDINKWKNIPC SWVGRINIVKMAILPKVIYRFN AIPIKLPMFTFTELEKTTLKFIW NQKSARIAKSILSQKNKAGGIM LPDFKLYYKATVTKTAWYWY QNRDIDQWNTPESEIMLHIYN Y/LIFNKPEKNKKWGKDSL FNK WCWENWL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met had	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6834	37202	A	6884	69	2415	DKTSRGTIRQQRLRFTNIRCSAA TAADIQANRVWRGPPANSNR AAVRVLTVRRKTNKQKGHPHQ KPICTSPSSNTKEIQTIREYYKH LYANKLENAEERDKFLNIYTL RLNQKEVESLNRPTGSEIEAIK SLPTKKSPGPDGFTAKFYQRYK EELVPFLKLFQSEIEGILPNSF YEASIIIPKPRDITTKENFRPI SLMNIDARILNKILANLIQHHK KLIHHDQVGFIPGMQGFNICK SINIIQHMRNTKDKNHMISIDA EKPFDKIQPFMLKTLNKLDD GTYLKIVRAKYDKPTANIILNG QKLEAFPLKTGTROGCPLSPLL FNIVLEVLAREIRQEKEIKGIQL GKEEVKLSLFVDDMIYLENPIV SAQNLLKLSNFSKVSQYKISVQ KSQAFLYTNNRQTESQTMSELP FTIASKRIKYLGIQLTRDVKDRF KENYKSLSEIKEDTNKWKNI CSWVGRINIVKMAILPKVIYRF NAIPIKLPMTFFTELEKTTLKFI NQKRARIKSLSQKNKAGGIT LLDFKLYYKATVTKTAWYWY QNRHVDQWNRTEPSEIMLHIY NYLIFEKPDINKQWGDLSFNK WCWENWLAICRKLKLPFLTS YTKINSRWIKDLNVRPKTIKTLE ENLGNTIQDIGMGKDFMSKTPK AMATKAKLDKWDLIKLSFCT AKETTIRVNRQPTGWEKIFATY
6835	37203	A	6885	1	2358	
6836	37204	B	6886	1	1443	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6837	37205	A	6887	452	2913	KMGLAREWILRFLVLILQEIRS MRQKENKDIQDLNSALHQADL IDIYRTLHPKSTEYTFFSAPHC/ RTYSKIDHTLGSKALLSKCKITE IITDSQTTVLSELRIKKLTQ/NRS ATWKLN/MLLNDY/WVHNEMK AEIKMFFETNENKDTTYQNLW DTFKA VCRGKFIALNAHKRKQ ERSKIDTLMSQLEKEKQEQTTH SKVSRRPISSEIEAHNSLPTKKS PGPDGFTA E FYQRYKEELVPFL LKLFSIEKEGILPNSFYEA S I I L PKPGRD TTEKENFRPISLMNIDA KILNKILANRIQQHIKLLHHDQ VGFIPGMQGWFNICKSINVIQHI NRTSDKNHTIISIDA E KAFNKIQ QLFMLKTLNKLGTNGMYLKIV RAIYDKPTANIILNGQKLEAFPL KTGTROGCPLSPLLFNIVLEVLA RAIRQEKEIQGIQLGKEEVKLSL FADDMIVYLENPVSAQNLLKLI SNFSKVSGYKINLQKSQAFLYT NNRQTESQIMSELPFTTASRKRIK YLG IQLTRDVKDLFKENYKPLL NEIKEDTNKWRNIPCSWVGRIN IVKMAILPKVTYRFNAIPKLP TFFTELEKTILKFRWNQKRAHI AKTILSQKNKAGGIRLPDFKLF YKATVTKTARYWYENRDIQ WNRTEPLEIMPHIYNHLIFDKPD KNKQWGKDSL F NKWCWENWL AICRKLKLDPFLTSTYTKINSRWI
6838	37206	A	6888	I	1677	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6839	37207	A	6889	2	2400	SMRQKENKDIQDLNSALHQAD LIDYRTLHPKSTETFTFSAPHCI /RTYSKIDHTLGSKALLSKCKIT EIITDSQTTVLSELRIKKLTQINR SATWKLN/MLLNDYWVHNEM KAEIKMFFETNENKDDTTYQNL WDTFKA VCRGKFIALNAHKRK QERSKIDTLMSQLKELEKQEQT HSKVSRPPIPSEIEAIINSLPTK KSPGPDGFTAIFYQRYKEELVP FLLKLFQSIEKEGILPNSFYEAII LIPKPGRDITTEKENFRPISLMNI DAKILNKILANRIQQHIKKLLIIII DQVGFIPGMQGWFNICKSINVI QHINRTSDKNHTIISIDAEKAFN KIQQLFMLKTLNKLGTNGMYL KIVRAIYDKPTANIILNGQKLEA FPLKTGTRQGCPLSPLLFNIVLE VLARAIQEKEIQGIQLGKEEV KLSLFADDMIVYLENPIVSAQN LLKLISNFSKVSGYKINLQKSQA FLYTNNRQTESQIMSELPFTTAS KRIKYLGIQLTRDVKDLFKENY KPLLNEIKEDTNKWRNIPCSWV GRINIVKMAILPKVTYRFNAIPI KLPMFTFFTELEKTILKFRWNQK RAHIAKTILSQKNKAGGIRLPDF KLFYKATVTKTARYWYENRDI DQWNRTEPLEIMPHIYNHLIFD KPDKNKQWGKDSL FNKWCWE NWLAI CRKLKLD PFLTSYTKIN SRWIEDLNVRPKTIETLEENLG
6840	37208	A	6890	1	1515	
6841	37209	A	6891	1	1428	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6842	37210	A	6892	150	1920	NYQCREVLKGPDGAENHGTRI T*RMHKLSSQFSQLEERVSGM EDQTNETKDTLRLKIKGWRKIY QANGKQKKAEEAAILVLDKTD KPTKIKGDKQGHYIMVKGSIQQ GQLTILNIYAPNTGASRLIKQVL RDLQRDLDSHTIIMGDFNTRL TLDRSTRQRLNKDIQELNSALH QVDLIDYRILHTKSTEYTFSSA PHITYSKIDHTVGSKALLSKGK RTEITNRLSDHSAIKLELRKEL TQNRSTTWKLNLLNDYWNL WDTFKA VCRGKFIALNIQKRK QERSKIDTLTSQFKELEKQEQ HSAKARRQEITKIRAEKERETQ KSLQKISESRSWFFEKINNIDTP LARLIKKKREKNQIDTIKNDKG DITTDPTETIQTTRQYYKHL KQENLEEMNKFLDYTYLPRLN WEEAESLNRPTGSEFAIINSLP IKKSPGPDGFTAKFYQSYKEEL VPFLLKLFQSIEKIGLPNSFYE ASIIIPKPGRDITTKDNFRPISL MNIDAKILNKILANKIQHSHK LIHHNQVGFIPGMQGWFTNCKS INIIQHINRTKDKNHMISIDA AEKAFDKIQQPSC
6843	37211	A	6893	1	1797	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,40,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
6844	37212	A	6894	2	1880	APNTGAPRFKQVLSLQRLD SHTIIMGDFNTPLSTLDRSMRQ KVNKDIQELNSALHQADLIDY RTLHPKSTEYTFSSATHHTYSKI DHIVGSKALLSKCKRTEITNCL SDHSAIKLELRJIKLTENRSTTW KLNNLLNDYVWHNEMKAEIK MVFETNDTLPLRI.NQEEVESLNR PKTGSEIEAIINSLPTKKSPGPDG FTAEFYQRYKEELVPFLLKLFQ SIEKERILPNSFYEAIIIPKPGR DTTKK/EENFRPISLMNIDAKIL NKILANRIQQHIKKLIHIDQLGF IPGMQGWFNICKSMNVQHINS PKDKNHMIIISVDAEKAFDKIQQ PFMLKTLNKLIGDGYLKIRAI YDKPTASIIILNGQKLEAFTLKTG TRQGCPPLSPLLFNIVLEVLARAI RQEKEIKGIQLGKEEVKLSLFA DDMIIVYLENPIISAQNLLKLIGN FSKVSQYNTNVQKSQAFLYTNN RQTESQIMSELPFTIASKRIKYL GIQLTRDVKDFPKENYKPLLNE IKEDKNKWKNI PCSWVGRINIV KMAIPPKVIYRFNAIPKLPMTF FGMIFLSQKYGHVTLFRLLQW LLNVARNNNKVFYKIYKVGHK LSSAYVCLCTCSHFSVSFL
6845	37213	B	6895	13	1506	
6846	37214	A	6896	1	6635	MTPESRDTTDLSPGGTQEMEGI VIVKVEEEDHDFQKERNKVE SSPQVLSRSTTMNERALLSSYL VAYRVAKKMAHTAAEKIILP ACMDMVRTIFDDKSADKLRTIP LSDNTISRRICTIAKHLEAMLIT RLQSGIDFAIQLDESTDIASCP LVYVRYIPLKRLGLI.QPEKPI VLKVESRDGTQYNSQQHINLS AAWLKTA VQGREAPGKQPSKQ QHSARKRTHRTQLKKESGDGP HPKFGGNNLASP
6847	37215	B	6897	1	3045	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6848	37216	A	6898	1	2764	MARELHDKCTSFSSRFDQLEES LSAMEDQMNMEMMRREEKFKREK RRKRNEQSLQEIWWDYVVRPNL HLIGVPESDRENGPKLENTLQDI IQENFPNLARQGNIQIEIQRM QRYSSRRATPRHIIVRFTKVEM KEKMLRAAREKEIQTTIREYYK HFYANELENLEEMDKFFETYTL PRLNQEEVESLNRPIITGSAIEAII NSLPTKKSPGPDGFTAEFYQRY KEELVPFLLKLQFSIEKEGILPNS FHEASILIP
6849	37217	B	6899	1	3549	
6850	37218	A	6900	387	541	
6851	37219	A	6901	1	545	
6852	37220	A	6902	71	370	RRCKVRPSARGVLRVAVCVCV CVCVYPCVHVCTCVRMCLCVC VCVC/CSVEIHCGGQGCARCIC LQPQEGGCTEQAVAHCAAQL WRNRLKLMKQPVARV
6853	37221	A	6904	1	738	
6854	37222	A	6905	1	567	
6855	37223	A	6906	1	1416	
6856	37224	A	6907	3	1267	
6857	37225	A	6908	1	552	NALPGRKSRVFGVCSADTWK PPSSAKVTETKGASPAFLRAGQ PRLVPGETLEKSLGPKDPQVE PQHVPVHLPGISSEGFWDGFNE QTPKDLPNRDGGAWVLGYRA GPACPFLLHEEREKSNRSELYL DLHPDHSLTEQDDRTPGRIQA VWPPPKTKDTEEKVGLKYTEA EYQAAILHLKRE
6858	37226	A	6909	1	561	
6859	37227	A	6910	219	1343	RRLCHTQPTLGMRESELVNV CVHSVFSPLSPVQAMQEKDEAK AETIQALYHQTFEALQTLKAL FIEDPTPAGLKSILEALGPWMNS GKAHERARAVNTNVSVLNMH LLTLFFFMPLGFPALGLLRLI LHIGDPDEBIGCEALDGIHILYTI LELQKRARDKEETNKKELYES NKHFLGYPYNPVSPCQNILRVIEE FGDFLGPQIKDLLLALEGLK GSSEAPGKDSREMMQLASEVM LSSVLEWYRHRALVEIPEIMQGI YMQLSHIQEPRAQVALLPVSL LASSFMTEVVVALLMCPLPLNR QPAACASSCPSTAAWAV*GAST LSCSWPCFSRSTITTSASTCLAAW LLPRTPRRRVHSPSYLCAGW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop endon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6860	37228	A	6911	3	730	
6861	37229	A	6912	2	1218	ERKCMQGGKYAGAMESEPCVCT EADFDCCDYG YERHSNGQCLPA FWFNPSLSKDCSLGQSYLNST GYRKVVSNNTDGVREQYTAK PQKCPGKAPRGLRVVTDAGKL TAIEQGHNVLTLMVQLEFGDVQ RTLQVDFGDIASVYVNLSSM EDGIKHVYQNVGIFRVTVQALV RLPPHISQCDVFRFFEAPEDV NPPKDQALLGELGPAVELCLK EERFADAILAQAGGTDLLKQT QERYLAKKTKISSLLACVYVQK NWKDVVCTCSLKNWREALAL LLTYSGTEKFPELCDMLGTRME QEGSRALTSEARLCYVCSGSVE RLVECWAKCHQALSPMALQD MHVISTDENQVFAAVQEWQON DTYNLYISDTRGVYFTLALENV QSSRGPEGNIMIDLYEVTI
6862	37230	A	6913	1	1659	
6863	37231	A	6914	540	824	KPRLENYVKNAEASGADAINW KKGY/LVMEDEMNMKREGKF REKRIKRNEQSLQEIWDYVKDQ IYVRLVYLKVTGRMEPSWKT CRILSRRTSPI
6864	37232	A	6915	1	939	
6865	37233	A	6916	285	458	QVFSQLEGRIALGKFORPSSLPT GKWTQRCWWGAQWE*D*LFG LHGWWVRPIAGFP
6866	37234	A	6917	32	171	
6867	37235	A	6918	294	461	
6868	37236	A	6919	2	255	LIPCPATVNNVSDIMGMYMKE CSASLITREMQRITTMRHHLTS IGTEMIRK/SKNNECWSGRECQ TVGAGQCVRAPCASRSRHR
6869	37237	A	6920	2	393	
6870	37238	B	6921	87	633	
6871	37239	A	6922	78	260	TQYLRWKCRNHLRLRRSCWEL *TRAVPIRPSWLQNRVQGTSRF CVCFEESGTPSTQLEI
6872	37240	A	6923	1	369	FVLHEKCLGPFWITGNTNDEM VKKICAPT*TKHVW*LES*M WEEPRWPNGKAPVYSSQREQR RRRVISAFPPSEGVLPSTFKNKKF TVKQPQVGRSVGIPEGIVIGD GQLQGCLLPLKTF
6873	37241	A	6924	3	201	LKEMQINTTMRVHSTPSRST* IKKTDNNKFWMRMTEKLETSY CWWECEMTQPRWKVSLQYLL PLI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6874	37242	A	6925	1	2064	
6875	37243	A	6926	95	752	
6876	37244	A	6927	2237	5072	RAKSPANIHMTGSNSHITLTNLN VNLGNSPIKRRHLASWIKSQDP SVCCIQETHLMCRDTHRLKIKG WRKIYQANGKQKKAGVAILVS DKTDFKPTKIKRDKEGHYMMV KGSIQQEELTLNMYAPNTGAP RFIKQVLSLQRLDSDHTLIMG DFNTPLSTLDRSTRQKVNKDTQ ELNSALHQADLIDYRTLHPKST EYTFSSAPHHYSKIDHILGSEA LLSKCKRTEITNYLSDHSAIKL ELRIKNTQSR
6877	37245	A	6928	3	331	
6878	37246	A	6929	364	853	
6879	37247	A	6930	2	531	RPRVRELVGSAIQALKEWNTT GKLRINH*KRCGSTQHHGSKYA TDKEERPDACPLQPPQIQNG PMNGCEKDSSTDSANEKPALI PREKKISILEEPSKALRGVTPGNI EKSADLQRCVTSLTRYRVMIK EEVDSSVKKITAFAELHNCIID KEASLMAEMGTVNEQAMRC
6880	37248	A	6931	1	456	ISILEEPSKALRGVTEGNRLQ OKLSLDGNPKPIHGTTERSDGL QWSAEQPCNPSPKPAKTSPVKS NTPAAHLEIKPDELAKKRGPN EKSVKDLQRCVTSLTRYRVMIK GEVDSSVKNIAACAEPICIID KEVSLMAEMDKVKGRKPW
6881	37249	A	6932	333	964	
6882	37250	A	6933	240	691	
6883	37251	A	6934	1	2076	
6884	37252	A	6935	14	485	RRSLESVLSRKLNPF*KATGTSR SESVAWAIIDAVSSPQKRLDSE FIDPLMNKKARISHLTNRPPTL NGHLNPTSEKSAAGLPLPAAA AIPTPPPLPSTYLPISHPPQIADS HSPAAPVQGIQPFLLTADQYWLE NRYPSQHLSRVATASRAHQ
6885	37253	A	6936	1	643	
6886	37254	B	6937	1	408	
6887	37255	A	6938	2	197	
6888	37256	A	6939	103	298	CLWLFQEEEEEEEEEEEE*EEE EEE/EEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEEKI FLGHRVGI
6889	37257	A	6940	117	257	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6890	37258	A	6941	46	219	LKECNCIVCNSKNKCLKG*KKK EEEEEEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEGRRRGRRRR RRRRRRKKK
6891	37259	A	6942	1	1314	MVSRISWISWIAQCPLCRPSGT YGPGEAALLWLCIEAAAAA AARSTTPIITNHQSNITAEQNP PRIHENGDPKTYIIHVLAEQVLE RLPHGVALRHDPLAPVVSRA GVGHQRCAADDALQPLLQGRP EPGLAERHGVQDNLILKVSHTH TQKSAEKRAVSDPSSTVHRPQP LPPSTVHQSTIPSNPDSSAYCL PSTRHGFSSYTDSFVPPSPGSPN MNPTIGNGLSPQRVHYQHLPTH AGGKRNAALEYGVPRKYHYM LKITASDYETKTPFQVGDV GSGWRKVGMMQT*FL*LKKEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEENSLSTE
6892	37260	A	6943	1	160	
6893	37261	A	6944	1	306	
6894	37262	A	6945	1	933	MWLARELEESLAVSLQGEPGL LAGAGRLQGSFSPHMEPGRQS ETLSQKKKKKKKKKKKKKK EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE DQLDTMFGTHQQTSPQRSAR RRPCSVOGPRS*SPFSHPMEPGR QSETLSQKKKKKKKKKKKK EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEDQLDTMLWDSSTNLNTAL SKEKTMFSSRAKIVKPNGEKPD EFESGISQALLEMLDLKAQ LWELNITAAKEIVGGGRKAI FVPVPLKSFQKTQVQLRRILP KPTQKSCNTNNKQLPRSCITLTA VHDAILEDLVFPSEIVGKRIHV LDGSHLIKIHLEAQQNNVEHK VEPFSGVYKLMGKDVNFEP
6895	37263	A	6946	1	1365	
6896	37264	A	6947	416	610	EFKKPVLEGG*RGEGGSPCV WSFFDPVHFNYQAGLFRVALP GEQCRTGRLVARVYTGISGASF
6897	37265	A	6948	1	846	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
6898	37266	A	6949	3	620	HVTLLIVVTQSHLVIHNLFEGLMI WFIWPISCVICNDIMAYMFGFFF GRTPILKLSKKKTWEGFIGGFFA TVGFGLLLSYVMSGYRCVFCP VEYNNDTNSFTVDCEPSDLFRL QEYNIPGVQSAUGWKTVMRY P/QIHSIALSTFASLIGPFGGFF ASGFKRAFKIKDFANTIPGHGGI MDRFDCQYLMATFVNVYIACV LRPL
6899	37267	A	6950	50	554	
6900	37268	B	6951	446	625	
6901	37269	A	6952	1	2149	
6902	37270	A	6953	1	1704	
6903	37271	A	6954	1	1853	
6904	37272	A	6955	1	1305	MVKGSIQEEILTILNIYALNTGA PRFIKQVLRDLQRDLDSHTIIMG DFNTPLSTSDRSTRQKVNKDIQ ELNSALHQADIIDIYRTLHPKST EYTFFSAPHHTYSKIDHIVGSKA LLSKCQRIEITNCLSDYSAIKLE LRIQKLTQNCSTIWKLNNLLLN DYVWHKEMKAEIKMFFETNEN KDTTYHHLWDTFKAVCRGKFI ALNAHKRQKQERFEMDTLTSQ KELKKQEQTTHSKASRRQEITKI RAERKEIETQKTLQKINESGSW FVEKINKIDRPLARLIKKKREKN QIDAINKDKGVITTDPTIEQTIRE EYKHLIYANKLENLEEMDKFL DTYNLRLNQGEVESLNRPIGT SEIEAIINSLP/TKKSPGPNGFTA KF*QEELTILNIYALNTGAPRFI KQVLRDLQRDLDSHTIIMGDFN TPLSTSDRSTRQKVNKDIQELN SALHQADIIDIYRTLHPKSTYEY FFSAPHHTYSKIDHIVGSKALLS KCQRIEITNCLSDYSAIKLELRI QKLTQNCSTIWKLNNLLNDY WVHKEMKAEIKMFFETNENKD TTYHHLWDTFKAVCRGKFIAL NAHKRQKQERFEMDTLTSQLE LKKQEQTTHSKASRRQEITKIRA ERKEIETQKTLQKINESGSWFV EKINKIDRPLARLIKKKREKNQI DAINKDKGVITTDPTIEQTIRE YYKHLIYANKLENLEEMDKFLD
6905	37273	A	6956	1	1926	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
6906	37274	A	6957	2	1025	WRRYQANGK*KNK/QKKAGV VILVSDKTDKPTKIKRDKEGH YIMVKGSIQEEELTVLNIYAPN TGAPRFMKQVLRDLQRDLDPH TTIMGDFNTPLSTLDRSARQKV NKDIQELNSALHQADLINIYRIL HPKSTEYTFISAPHRTYSKIDHI VGRKALLRKYKRTEIITDCLSD HSAIKLELRKIKLTQNSSTTWK LNNLLNDYWIHNKTKAEIKM CFETSENKDTTYQNLWDTCCKA VCREKFIALNAHKKQERSKID TLTSQLE/LEKQEQTHSKASRR NLEEMDKYLDITYLPRLNQEE FESLNRPTGSEIEAIINSLPTKKS SGPDGFTAKFYQ
6907	37275	A	6958	1	1661	
6908	37276	A	6959	2	1632	WRKIYQANGK/HKKAGVAIRV SDKTDKPTKIKRDKEGHYLM VKGSIQEEELTILNIYATNTGAP GFIKQVLSLQRLDSHTIIMED FNTPLSTLDSMRQKVNDQTQE LNSALHQEDLIDIRTLHPKSTE YTFFSAPHHTYSKIDHILGSKAL LSKCKRTEIITNYLSDHSAIKLE LRKLNLTQSRSTTWKLNLLN DYWVHKEMKADIKMFFETNES KDTTYQNLWDAPFAEELES LN RPITASEIVAIINSLPSKSPGPD GFTAKFYQRYKEELVPFLKL QSIEKEGILPNSFDEASIIIPKLG RDTTKENFRPISLMDAKILN KILANQIQHHKLIHHDQVGF PGMQGWFNIHKSINVIQHINRT KDKNHMIISIDAEKAFDKIQSF MLKTRNKLGDGTLYLKIIRAIYD KPTANIILNGQKLEAFPLKTGTR QGCPLSPLLFNIVLEVLARAIQ EKEIKGIQLGKEDVKLSLFADD MIVYLENPIVSAPNPLKLSNFS KVSQYKINVQKSQAFLYTNRR
6909	37277	A	6960	1	2169	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6910	37278	A	6961	2	1255	EGKFRENRIKRNEQSLQEIWDY VKRTNLRLLIGVPESDWENGTKL ENTLQDIIQENFPNLR*AKIQRI RSQDPSTHLTSRDTHRLKIKGW RKIYQANGKQKKA AVTILVSD KTNFKPTKIKRDNEGHYIMVKG SNQQEELTILNIYAPNTGAPRFI KQVLRDLQRDLDSHTITGDINI PLSTLDRSTKQKVNKDTQELNS ALHQVDLIDYRTLHPKSIEYTF FSAPHHTYSKVDHILGSKALLS KCERIEIITNCLSDHSAIKLELRI KNLTQNHSTWKLNNLFLNDY WVHNEMKAEIKMFFETSENKD TTYQNLWDFAKAVCRGKFIAL NAHKRKQERSKIYTLTSQLKEL EKQEQTSHSKASRRQEIIRAEI KEIETQKTLQKLNESISHQLEW QSLKSQKTTGAGEDVEK
6911	37279	A	6962	1	1122	
6912	37280	A	6963	551	1536	EILSPPLPYKSS*KKH*TWKGT TGTSCC/INHAKIVTHRLKIKGW RKIYQANGKQKAGVANLVSD KTDFKPTKIKRDKEGHYIMVKG SIQQEELTTLNIYAPNTGAPRFI KQVLSDLQRDLDSHTLIMGDFN TPLLTLDSTRQKVNKDTQELN SALHQADLIDYRTLHPKSTEYTF FFSAPHHIYSKTDHILGSKALLS KCKRTEIITNCLSDHSAIKLELRI KNLTKNRSTTWKLNNLFLNDY WVHNEMKAEIKMFFETNENK DTTYQNLWDFKAMCRGKFIA VNAHKRKQERSKIDTLTSQLKE LEKQEQTSHSKASRRQEITKI
6913	37281	B	6964	28	1209	
6914	37282	A	6965	1	1284	
6915	37283	B	6966	1	1056	
6916	37284	B	6967	124	963	
6917	37285	A	6968	3	1162	
6918	37286	A	6969	1	1364	
6919	37287	A	6970	1	1003	
6920	37288	B	6971	1	1129	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6921	37289	A	6972	1	1917	MVKGSIQQEELTILNTYAAHTG APRLIKQVLSDLQRDLDSHTIM GDFNTPLSTLDRSTRQKVNKDT QELKSALHQADLTDIYRTLHHK STEYTFFSAPHHIYSKIDHILGSK ALLSKCKRTEIHTNYLSDHSAIK LELWIKNLTQNHSTTWELNNLL LNDYWVHNEMKAEIKMFFETN ENKDDTYHNLWDTFKAVCRGK FIPLNAHKRKQERSKIDLTLSQL KELEKQEQTTHSKASRRQEITKIR AELKEIETQKTLQKINESRSWFF ERINKIDRLRLARLIKKKREKNQI DAIKNDKGDITTDPEIQTITRE YCKHLYANKLENLEEMDKFLD TYTLPRLNQEEVESLNRPTGAE IVAIHNSLPTKKSPGPDGFTAKF YQRYKEELVPFLKLFQSIEKE GILPNSFYEASIIIPKPGRDTTK KENFRPISLMNIDAKILNKKLA KRIQQHIKKLIHHDQVGFIPGM QGWFNIRKSINVIQHINRAKDK NHMIISDAEKAFDKIQPFMLK TLNKLGIKYLGIHLTRDVKDLF KENYKPLLKEIKEDTNKWKNP CSWVGRINIVKMAILPKMCL*R RWTPLCLLTAAASLNRE*ERLV QPLLWRQMYCGPRHCRQVPQH RRLNWSPSLRLS
6922	37290	A	6973	1	2673	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6923	37291	A	6974	261	2667	TWCSGRYMVGCR/DWHLLV/ KGLRKLTVAEEGGAGMSLG ESGNKKRKDEGHYIMVNGSIQ QEELTILNIYAPNTGAPRIKQV LRDLQRDLDSHTIIMRDFNTPLS ALERSTREKVNKDIQELNSALH QADLVDIYRTLHPKSTEYTFFS APHRTYSNIDHIVGSKALLSNC KRTEHTKCLSDHSTIKLELRKK LTQNRSTTWKLNLLNDYWV HNEMKAEJMKFFETIENKDDTY QNLWDTFKAECRGKFIALNAH KRKQERSKIDTLTSQLELEKQ EQTHSKASRRQEITKIRAEKET ETQKTLQKINESRSWFFERINKI DRPLARLIKKKREKNLIDAIKN DKGDITDPTEIQTIREYYKHL YANKLENLEEMDKFLDITYTLP RLNQEEVESLNRPTGSEIVAIIN SLPTKKSPPDGFTAIFYQRHT VSILISYCQGGSLMSQVYWNQQ EKPPSSSNAPPGLSVNKAQHRH VCCRGEMLKRQVYHYVRAGES DSASFHCVAQGPRAFGKPLILS KENHLLTVTAIAKLNHKLCEIK SMGVFINTEPLYDSCLEQKHAL FASPPATTHTTMISKAKVIPML SLTPGSFQTVESLAPSAGKFQG TETSSLKTLINLCCPKLPSPSPA HLGGLPGGSQERPSRQYLYESA RTTVLLGLGCPLKQIQLRSQHS SPLEYLESPLKKDRKKREKIQIN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, /=possible nucleotide insertion)
6924	37292	A	6975	1	1687	MLKGSIQQEELTVLNIYAPNTG APRCIKQVLSDVQRDLDSNTLI MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLDIYRTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTEIITNSLSDHS AIKLELRKLNLTQNRSTTWKLN NLLNDYVWHNEMKAEIKMFF ETKENKDTTYQNLWDAFKAVC RGKFIALNAYKRKQERSKIDTL TSQKLELEKQEQTSHSKEIQTIR EYYKHLTYTNKLENLEEMDKFL DTYTLPRLNQEEVESLNRPIIGS EIVAIHNSLPTKKSPGPDGTAEF YQRYKEEMHINRAKDKNHMIS IDA EKAFDKIQPFMLKTLNKL GIDGTYFKIIRAIYDKPTVNILN GQKLEAFPLKTGTRQGCP LSPL LFNIVLEV LARAIQEKEIKGIQ LGKEEVKLSL FADDMIVYVEN PLPSQPQNLL*GWLSNFSK/MSS GYKIN VQKSQAFLYTNNRQTES QIMSELPFTIASKRIKYLGIQFTR DVKDLFKENYKPLLNEIKEDTN KWKNIPCSWVGRINIVKMAILP
6925	37293	B	6976	1	2431	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6926	37294	A	6977	1	1921	MGESVQSLTLAQKRSMMIQV AVAPRTPTLKKLYKEKASKTQ LKKVNLVVQDQGSLESIEVHD HEPADTYKLLSLVKEPAEEIPR VIQNVFGHRSKKENLKDSYGLR QSSTMVATTWNNVSLMQHHSL RRPNRIILTASYPHFHQEI PVNF FHSGRDSSEFGWNQHIKKDKE GHHIMVKGSIQEEELTMLNIYA PNTGAPRFINQVLSIERDLDSH KIIMGDFNTPLSLDRSTRQKV NKDTQELNSALHQADLTDIYRT LHPKSTEYTLFSAPHHTYSKIDH IVGSKALLSKWKRTETITNCLSD PRAIKLELRKKLTQNRSSIWKL NNVLLNDYWVHNEMKAEIKIF FETNENKDTSCQNLWDTFKAV CRGKFIALNAHRRKQERSKIDT LTSQLEKEKQERTHSKASRRQ EITKIRAEMKEIETQKVLQKINE SRSWFFEKINKIDRPLARLIKKE REKNQIDAIKNNKGDIITDPTET ETTIREYYKHLTYNKENLEEM DKFLDITYTLPRLNQEEVESLNR PITGSEVVAIINSLPTKKSPGPDG FTAEFHQRYKEKLISELLPMPN HTALKKQTQDLSCKAMFLYY QSVSVQTAIINYHRLRGLNNRN LFLTIVLEYSSLRSGCEHSRVL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6927	37295	A	6978	1	1848	MSLTKMLICAALLGLFCMLLGL RWQVAELIGMTLALSSTAIAAM QAMNERNLMVTQMGRSAFAV LLFQDIAAIPLVAMIPLLATSSA STTMGAFAALSALKVAGALVLLV VLLGRYVTRPALRFVARSGLRE VFSAAVALFLVFGFGLLEEVGL SMAMGAFLAGVLLASSEYRHA LESDIEPFKGLLGAVFTPRVVV NIYSSSELRTAKNYQANGKQKK PGVAILVSDKTAF/KPTEIKRDK EGHYIMVKGSIQEEILTILNIY APNTGAPRFIKVLSLQRLDLD SHTLMMGDFNTPLSTLDRSTR QKVNKDTQELNSALHQADLIDI YRILHPKSTEYTFPSAPHHTYSK IDHIVGSKALLSKCKRTEIITNY LSDHSAIKLELRKNLTQSRSTT WKLNNLLNDYWVHNEMKAE IKMFFETNENKDMTYQNLWDT FKAVCRGKFIALNAHKRQERS KIDTLTSQLEKEKQEQTHSKA SRRQEITKIRAELEIETQKAIQ KINESRSWGPNGCQNYRNSE SGEKSAPEGQAQHAQPTGKV PTFLYVGKEKFPPSYLLTRKSSH LPTCGDPICGEKCRWPVPTSGQ GNKADQWGGVGIGDTHDSDA
6928	37296	A	6979	1	2235	
6929	37297	A	6980	1	2955	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
6930	37298	A	6981	3	2156	KSLKDLMLKIMAQELCDEWT SLSSRCNQLLEERSVMEDEMN EMKDKHRPKIKIEWRKIYQANG QKKTRVANLVSDKTEFKPTKI KRDKEGHYIMVKGSIQQEELTI VNIYAPNTGAPRFIKVLSDLQ RALDSHTIMGDFNTPLSTLDRS TROKVNKDIQELNSALHQADLI DIYRTLHPKSTEYTFFSAPHYTY PKIDHIVGSKALLSKCKRTEIT NCLSDHSAIKLELKIKKLTQNL STTWKLNLLKDYVVKEM KAEIKMFFETNKNKDDITYQNF WDTFKA VCRGKFIALNAHKRK QEGFKIDTLTLQLKELEKEQT HSKASRRINKIDRPLARLIKRR EKNQIDTIKNDKGIDITDPTIEQ TTIREYYKLYANKLENLEEM DKFLDITYTLPRLNQEEVESLNR PITGAIEIVAIHNSLPTKKSPGPDG FTAKFYQRYKEELVPFLLKLFQ SIEKEGILPNSFYEASILIPKGR DITKKENFRPISLMNDAIELNKI LASQMQQHKKLIYHNQVGFH GMQGWFNHKSINVIQHINRTK DKNHTIISLDAEKA FDKIQQPF MLKCLKTLNKLIGIDGMYLKIIRA IYDKPTANILHWQKLEAFPLKT GTRQGCPLSPLLFNIVLEVLR AVRKEKEIKRTQIGREEIKLSLF ADDMIVYLENPVSAQNLLKLIS NFTKVSQGYKINVKKSQAFLYN
6931	37299	A	6982	3721	8717	MLPIKRHRLANWIKSQDP SVC CIEETHLCRDAHRHKIKGWR KIYQANGKQNKTKQQKKQGLQ ILVSDKRD FKPTKIKRDKEGHYI MVKGPQQEELTILNIYAPNTG APRFIKQVLSDLQRDLDSHTLA MGDFNTPLSTLDRSMRQKVNK DTQELNSALHQADLIDYRTLH PKSTEYTFFSAPHHYTSKIDHIL GSKALLSKCKRTEITNYLSDDH SAVKLKLRIKNLTQNHSTTWK LNNL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6932	37300	A	6983	599	1074	NPRAWKQPPPTSPQEFCLVCF VVHLQKSTREALNNKNKPLLS TFSQVPG/SINHSSCENVLAHSL AIGGVTEGICTASTPFVLLGDVL DCLPLDQCDTIFTFVEKNVATW KSGTASLPAAFMAQVEHLWLF QVNGANCQWYPSGVVWRTVAL FSQLH
6933	37301	A	6984	1	312	QSRALLWPMLVDVIQPKPWKA PGSLGPLSCISAITVQSSPGLRLC SCGQGPVNTPGTKLPQPNRPV SLSFSQMKLLTSSHWSFHCPA *INPAQSSPGWP*PQLSGCPAF QFLSFG*KSLSSGNTASSPLW FLCWCFNLVLQAKLPDGFSPA HRV
6934	37302	A	6985	2	484	
6935	37303	A	6986	234	405	ELKICSCDPITVRYNADDSTVSL SFSQMKLLTSSHWSFHCPA* INPAQSSPGWP
6936	37304	A	6987	1	2021	PTRPAAQWRARAAEKMSPTP PLFSLPEARTRFTKSTREALNNK NIKPLLTSTFSQVPGSENEKKCTL DQAFRGILEEEIINHSSCENVLAI NSLAMGEVTEGICTASTHVFLL GDVLDCLPLDQCDTIFTFVEKN VATWKSNTFYSAGKNYLLRMC NDLLRRLSKSQNTVFCGRJQLF LARLFPLSEKSGNLQSQFNLE NVTVNTNEQESTLQKHTED REEGMDVEEGMGDEEAPTTC SIPIDYNLYRKFWSLQDYFRNP VQCYEKISWKTFLKYSEEVLA VFKSYKLLDDTQASRKKMEELKT GGEHVYFAKFLTSEKLMDLQL SDSNFRRHILLQYLIFQYLGQ VKFKSSNYVLTDEQSLWIEDTT KSVYQLLENPPDGERFSKMVE HILNTEENWNSWKNEGCPSFV KERTSDTKPTRIRKRTAPEDFL GKGPTKILTNGEELTRLWNLC PDNMEACKSETREHMPMLEEFF EEAIEQADPENMAENYKAMN NSNYGWRALKLLARRSPHFFQP TNQFQKSLQEYLENMVIKLAKE LPPPSEIKTGEDEDEEDNDALL KENESPDVRRDKPVTGEQIEVF ANKLGEQWKILAPYLEMKDSEI RQIECDSMDKMRKQLLVAV QDQEGVHATPENLINALNKSGL SDLAESLTNDNETNS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6937	37305	A	6988	155	811	EFYRTGKVVHRA PGVQEVETDP RDPLAQLATDRKERRGSLDH LALRVREAQLDQLVPPEVAA KDLKAPRAKPAVVPPLGSPALR APVGTQAPRAHQAKRDSPALR ALLASRDFRAPLGLSLGCLDLGD CQACLG YQACQAPRAPALLA HQRWCPWPCRMSQPQHRRT MAARLTGRTSQTNATIFQLRKK FLRMQSFVSKTSLHILFS*TLER NSNG
6938	37306	A	6989	91	918	
6939	37307	A	6990	199	380	CSTSSRTY*IPSRCSKG*HWRH TVNSNFGPMGNPSHPTSSAHH TVPLIESQPSSTSKK
6940	37308	A	6991	1	483	
6941	37309	A	6992	178	298	
6942	37310	A	6993	864	1298	RLQNRITLASDLSGSDRWRTY RCL*RHGPRFSSCRLSCRPFDK TCRLMCHQRLSGFPQEQTRDS RCIQLLFRQRFAAASCPTHQVH VHRWRKPMVFLILESDLKYTV LSLPEECHTGAHEQSSHCLLLSL ASVDVHCSQRP
6943	37311	A	6995	2	348	KKKRKKKIEEEEEEEEEEE\
						REEEGDEEQEEEEEEEEEE
						EEEEEEEEEDDDDNGLLQTL
						PGLHEMRVNLTRSDGIISVWHF
						PFWHFSFLMPYEEGALLRLHLP
6944	37312	A	6996	1	192	
6945	37313	A	6997	1	507	MEKNEKEQEEEEKEKNSKKK EEEEEEEGGEEEEEGEGGEE EEEEEEEEEEEEEEEEEEEE EEE/DKEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEK VVE EEDEFIWLGNLSYFPSHFA WSQPSREDEGERRLRVNSMIM DFTSNTNHVQLIVAR
6946	37314	A	6998	1	257	MGPPIHKISHYVYANISKSEKVL KSEHFRSQAFQPGQSQSETVSEK/ FREDEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEI
6947	37315	A	6999	1	156	
6948	37316	B	7000	1	757	
6949	37317	A	7001	1	279	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6950	37318	A	7002	1	1226	MPSSKGVVHVHSPPRYLAAKDF KMINKELTAATFMEVIAEDNRF IYDGDSDNFPELVLFEEFFALLS FAFICVTDQMTKSYTNVPADD VSGNKHETIYILNQDAQNKSP SAVMHESDAAHSDSARSSSSK LELSPDVNKRKSEAMVKEKKK ADKKGEKSARSPPSSLSNDLDFS KQDGNTTTQEMSPAGVPLLGM QLNEVKPKKDRQNVQQNE/GC HPIRRVHSDQTHSGKL*RGKGS W/DCMREKASQPFKAVVPIV*V /VPFENLQEGEEGRLECECPDEP RRVHVAGRSMYEGEVVNGMR NGFGMFKCSTQPVSYIGHWCN GKRHGKVGEVATWRAEKKKK EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEE EEEEEEEEEEEEEEEEKIRP
6951	37319	A	7003	3	123	
6952	37320	A	7004	2	458	
6953	37321	A	7005	239	432	CLWLFQEEEEEEEEEEED*EEE EEE/EEEEEEEEEEEEEEEE EEEEEEEEKIFLGHVRVGI
6954	37322	C	7006	7	162	
6955	37323	A	7007	39	2154	
6956	37324	A	7008	1	639	
6957	37325	A	7009	1	651	
6958	37326	B	7010	1	684	
6959	37327	A	7011	3	428	TRFQGVYLLWEQSF/CWKSPI ALGYTRGHFSALVAMENDGYG NRGAGANLNTDDDVTTITFLPV DSERKLLHVHFLSAQELGNEEQ QEKLREWLDCCVTEGGVLVA MQKSSRRRNHPLVTQMVEKV LDYRQIRPCTSLF
6960	37328	A	7012	2	800	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6961	37329	A	7013	1	930	DHNSSPAMEQNW MENAFDEL T EVGFRRWVITNFSK LKEHVL TQ CKEAKKLEKRL EELLTRITSLEK NINDLMELKNTS QELREAYTTE ERISEIEDQLNEIK HEDRIREK/R/ VKRNEQSLQEIW DY VKRPNLH LT/GVPESDGENGT KLENTLQDI IQENFPNLARQANI QIEIQRTP QRYSSRRATPRHIIIR FTKVEMK EKMLRAAREKGQV THKGKPIR LTADPLAETLQARREWGP IFNIL KEKNFQHRMSYPA KLSFISVGE IKYFTDKQMLRDFV TTRPALQE LLKDALNMERNNQ NQSLQKHA KL
6962	37330	A	7014	1	870	
6963	37331	A	7015	1	585	
6964	37332	A	7016	1	1032	
6965	37333	A	7017	2	770	
6966	37334	A	7018	1	2910	
6967	37335	B	7019	239	462	
6968	37336	A	7020	3	694	
6969	37337	A	7021	1	1212	
6970	37338	A	7022	1	1140	
6971	37339	A	7023	1	570	
6972	37340	A	7024	1	486	
6973	37341	A	7025	1	1476	MEVNREKQLNELEVIGSEEQNL EEEGLMIGGVA VRLVPDDIVIP GGVNATNGTEARDALRVKVA MSVTLLSGIIQYLLSALGWSYY TVDGVSQKNPRALGV TADQLH AIFTTMSDEQASFRFGVAIYLT EPLVRGFTTAAAVHVFTSMLK YLFQVKT KRYSGIFSVVYSTVA VLQNVKNLNVCSLGVGLMVFG LLLGKKEFNRFKEKLPAPIPLE FFADHNSSPAREQKWMENEFD EWTEVSFRRRWITNSSELKEHI LTQCKEAKNLEKRL EELLTRITS LEKNINDLMELKNTAQEFHEA YTSINS/RNQTEERVSEIEDQLN EI*CKDKIR/EKKRMKRNEQSLQ EIWDVCVKRPNLRLTGVPESDGE NGTKLENTLQDIIQENFHNLAR QANSIQIEIQRTPQRYSSRRATP RHIIIRFTK VEMKEKMLRAARE KGRVTHKGNPRLIADLSADTL QARRQWEPIFNILKENFQTRISH
6974	37342	A	7026	1	1080	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
6975	37343	A	7027	1	3501	MIVYLENPIVSAQNLLKLISNFS KVSQYKIKYKIDVQKSQAFLYTN NRQTESQIMSELPFTIASKRKY PGIQLTRNVKDLFKENYKPLLN EIKEDTNKWKNIPCSWIGRINIV KMAILPKVIYRFNAIPIKLPMTS FTELEKTTLKFIWNQKGARIK TILSKKNKVGGITLPDFKLYYK ATVTKTAWYWYQNRDIDQWN RTEASEITPPYINHLIFDKPDKN KKWGKDSLNFKNWCWENWLAI CRKLLDPFLTS
6976	37344	A	7028	164	714	IGVNRHLIQESPSWNLGAPLE QIFQRKEQAIFAILQPLLVISRQ TSGSVDPPQQTADLQK/SGSDS REQNKTENEFDELTEIGCRRWV ITNSSELKEHVVTQCKEAKNLE KMLQELLTRITSLEKNINDLME LKNTAQELREAYTIINSQTDQA EERISEIEDQLNEIKGEDNIREKT VKRNE
6977	37345	B	7029	1	579	
6978	37346	A	7030	1	927	
6979	37347	A	7031	1	1362	MAAGRHLPGVADRHLIQUESTG WHLAGAPLGWSFORKEQTAIF AVLQPLLVIPTQGYGVDLQO MPADLQQRFLTVRRKTNKQKG IVSTSTKRTSSEGHQHRKVD KFTMGMRNQHKKAENSKQN ASSP'PKDHNSLPAREQNWTE EFDELTEIDFRWVITNSSQTKG SMF*P'CKEAKNLEKRLDELLT RITSLEKNINDPMEKNTAREL REANKSINS*IDQGRKERVISEIE DQLNEIKREDKIREKRMQRNK QTLQEIWDYVVRPNLHLIGVPE SDRENGTKLENTLQDIIQENFP NLARQANIQIEIQRTPQRYSSR RATPRHIIVRFTK VEMKEKMLR AARKKGQVTHKGKSIRLSADFS AETLQARREWGPPIFNILKEKNF QPKISYPAKLSFISEEITSFTDK QTLRDFVTTRPALQELLKEAVN MERKNQYQPLQKHTKM
6980	37348	A	7032	1	598	
6981	37349	A	7033	3	787	
6982	37350	A	7034	61	284	RLLPEQGPLRAGSSPAGK/IGGT LERRGMPWPGP/HSEGGLSPLL LGASLAAAPHGEMPSVRVHPV RPSSRDCSSRV
6983	37351	B	7035	743	1683	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
6984	37352	A	7036	1	1137	
6985	37353	A	7037	1	663	
6986	37354	A	7038	1	197	
6987	37355	A	7039	1	291	
6988	37356	A	7040	3	342	
6989	37357	A	7041	1	439	
6990	37358	A	7042	3	253	
6991	37359	C	7043	1	210	
6992	37360	A	7044	1	165	
6993	37361	A	7045	1	346	
6994	37362	A	7046	1	389	
6995	37363	C	7047	1	464	
6996	37364	A	7048	1	1806	
6997	37365	A	7049	491	1640	
6998	37366	A	7051	188	383	
6999	37367	A	7052	1	759	
7000	37368	A	7053	1	1683	
7001	37369	A	7054	1	972	
7002	37370	A	7055	1	429	
7003	37371	A	7056	3	753	DQTFWGLLETG/S/ELMLIPGDP KCHCGPPVKVGAYGGQEIKGV LAQVQITVGPVGTRTHPVPVIS VPECIIGIDILSSWQNPHTGSLTG RVRVIMVEKAKWKPLELPLPR KIVNQKQYCIPGGIAEISATIKD LKDTGVMIPTTSPFNSPIWPVQ KTDGSWRITVDYQVVTPIAAA VPDVVSLLEQINTSPGTWQHIT HLDVLLWRIYQVTQKAASFWE GPEQEALQVQAAVQA\LCH LGHMTQQIQWCL
7004	37372	A	7057	2	430	
7005	37373	A	7058	1	1515	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
7006	37374	A	7059	1	1523	MGEERRWRPSSNGKHGAFAEL DKGWL V WLEGGVIGARRSW RAHSALIKICVQQIKDLSLPGKM SKGLLQQQKPKHLLHDLYKA MSTRWGVQKARL NCTALPPTG CVTLDPFSLTEPQFPRQLSEDL LTREALEKEVQLRRQIQEKEE LLYRVLGANASPAFPLAPVTPT EVEKERELERDLDEQQRVLE GKNEEALQDPRLVDPLTSTCTVH FEKPMMLNARLWKHAGREAV ACKVRGSELPKTMGTYP LHQH DLDRHGVKGDHFGALRFDCP AGFWTCMGLAPSFWPISPIWN GPPLDISGYPATSTQKSTMCLRI IDTRLHPESRLKQSNFALNAR EKALQQVQA AVQAALPLGPYD PADPMVLEVSLADRD AVWSL WQAPIGESQQRPLGFWGKALPS SADNNSPLERQLLARYWALVE TEYLTMGHQVTM*P/ELPIMNW VLSDPSSHKV VYA WQHSIKW KIDRA*AGLAGTSKLEHEVAQ MPIVSTPATLPSCRIL
7007	37375	A	7060	1	2190	
7008	37376	A	7061	286	430	
7009	37377	A	7062	205	514	LWSLCAPVLVQVPCLR AAFPVFT RRHAPSAGRGFTRSYVSAGSW TETQQGLWGLTKLGADGLLL GISKHLVEFLQIFQISGCWGHYC YLQILFFALNSISPSYHVLLFNV QFGFI FNMVLCVP*AGTHIAPC KSSSRTRGMSSCENWKGC SKA RHLQYVSTKTPQSLSFCCGIH FVTAVCQP
7010	37378	A	7063	1	487	
7011	37379	A	7064	1	1212	
7012	37380	A	7066	140	453	
7013	37381	A	7067	1	3341	MGKKQNRKTGNSKNQSA SPPP KERSSSPATEQSWMENDFDEL R EEGFRLSNYSELPEDIQTKGKE VENFEKNLEECITRITNKRNFKP TKIKRDKEGHYIMVKGSIQQUE LTILNIYAPTGA PRFIKQVLSDR QRDLDFHTLIMGD FNTPLSTLD RSTRQKVNKDTQELNSALHQA DLIDIYRTLHSKSTEYRFFSAPH HTYSKIDHLLGSKAFLSCKCRT EHTNYSLSHSAIKLELRINKLTQ NRSTTWKLNN
7014	37382	B	7068	1	1785	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7015	37383	A	7069	I	1141	MVTWNFIQERNRSGMDQCDD GGGKILDPVYILTVELTGFAKG WKMFSVKDQSVNVLGFAGYPL ITQTARKGAGKIPTWASLRQYQ KGLGSKYQLRRALRPDCALGN GQGVRYCNSLDEEEKRELKLF SQRKRENLGRGNVRPFVPTMT GAICEQCGQINGGDIASFASR AGHGVCVHPPCFVCTVCNELL VDLIYFYQDGKIYCGRHHAEC KPRCAACDEIIFADECTEAEG HWHMKHFCCFECETVLGGQRY IMKEGRPYCCHCFESLYAEYCD TCAQHIGHAGSFIKEC/SRLLP GEAEI/SRRATVLCVLRVSVRPE AASKSPNMRRKRKRKGACPLS SVGPVPSVP*NTQRT*RPQSRP LGAPWNPWPCLMQ
7016	37384	A	7070	I	2388	VHQYYSCLPPEKVPYVNSPGEK LRIKQLLHQLPPHDNEVRYCNS LDEEEKRELKLFSSQRKRENLG RGNVRPFVPTMTGAICEQCGG QINGGDIASFASRAGHGVCVH PPCFVCTVCNELLVDLIYFYQD GKIYCGRHHAECLEKPRCAACD EIIFADECTEAEGRHWHMKHFC CFECETVLGGQRYIMKEGRPYC CHCFESLYAEYCDTCAQHIGID QQQMTYDQGHWHATETCFCC AHCKKSLGRPFPLPKQQQIFCS RACSAGEDPNGSDSSDAFQNA VGRSPGAVPKLARTRARRGAH AEPAQPAASEF*PAVSRRRPPVT ADGHAQPVQPDTPQPGPHILE EPGRALPLWEQDGAEPDPEPSA APARQCNIRTSYSPGGQGAQAQ PEMWGKHFSNPKRSSSLAMTG HAGSFIKECREDYYPGRLLRSQ SYSDMSSQSFSSETRGSIQVPKY EEEEEEGLSTQQCRTRHPISSL KYTEDMTPTQTPRGSMSLAL SNATGLSADGGAKRQEHLSRFS MPDLKSDSGMNVSEKLSNMG LNSSMQFRSAESVRSLLSAQQY QEMEGNLHLQSLNPYGRDLQSH GRMHQSFDFFDGGMAGSKLPQG EGVRIQPMSETRRRRATSRDDN RRFRPHRSRRRSRSDNALHL ASEREAISRLKDRPPLRAREDY DQFMRQRSFQESMGHGSRRDL
7017	37385	A	7071	I	807	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
7018	37386	A	7072	500	2666	YCLRLAQVGIFAPSRRAWVPDL DPESRLCCFPSSLGSLANPTAVG LEEDREQDVGTSSRGGAWDTRI KRELEKMSSEKCGGQINGGDIIV FASRAGHGVWCWHPFCVCTVC NELLVDLIYFYQDGIYCGRRH AECLKPRCAACDEIIFADECTEA EGRHWHMKHFCCECTVLGG QRYIMKEGRPYCCHCFESLYAE YCDTCAQHIGEAIFGSQLGPSV MRSPLFWGVGIAAALDAVLIR AHQRTQGCHELSALLAFEKG SEKKEEEGGQVSRSSSLKVQA QELSATEDKGHSPPFWAVYH YASGECRGP GPYPYSHSLRLYSQ QALPTGRGPSSSQPFQCFYCC YKKSLLCDCLSKSPALEKAMR GIDQGMITYDGGHWHATETCF CCAHCCKSLLGRPFLPKQGQIF CSRACSGEDPNGSDSSDAFQ NAIGPRSPGAVPKLARTRARRIG AHAEPAQPAASEF*PAVSRRRP PVTADGHAQVPQPDTPQPGP HLEEPGRALPLWEQDGAEPDPE PSAAPRQCNIRTSYSPGGQGAG AQPEMWGKHFSNPKRSSSLAM TGHAAGSFIKREDYYPGRRLRS QESYSDMSSQSFSETRGSIQVPK YEEEEEEGGLSTQQCRTRHPIS SLKYTEDMTPTETPRGSMESL ALSNAITGKTCSVTFQAKETCR YQDAQFGKVKARVKERQSLWS
7019	37387	A	7073	1	2239	
7020	37388	A	7074	1	282	
7021	37389	A	7075	2	430	GFGAQDPKSLALRTHCQTSGW/ SLTEQDPYNNVIRTIEALAAATL GGTQSLHTNVFDEALGLPTDFS ARIARNTQIIIQEESELCRTVDPL AGSYGGAIQQIDVAGGLAKRI EAGLSKRMIEASAREQALIDQ GKRIVVGV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7022	37390	A	7076	1	1561	MVTLILYFRFYRLNGDTLRRIQI HLLDKYRKVPPEPVHADIPVGA RRFSRPSWFLRITKRGYRRTV HAMAGQKEKLLGAGMSDYLA KPIEEERLHNLLRYKPGSGISS RVVTPEVNEIVNPNATLDWQ LALRQAAGKTDLARDMLQML LDLPEVRNKVEEQLVGENPEG LVLDLHKLHGSCGYSGVPRMK NLCLIEQQLRSGTKEEDLEPEL LELDDEMNDVAREASKILGDPK THLRIRRDVLATDPRPARDRR KACLHACVLRTPPLGAARAIQ QIDEAGGMAKAI EAGLPKRMIE EASAREQSLIDQGRVIVGVNK YKLDHEDETDVLEIDNVMVRN EQIASLERIRTRDDAAVTAAL NALTHAAQHNNENLAAAVNA ARVRATLGEISDALEVAFDRYL VPSQCVTGVI AQSYHQSEKSAS EFDAIVAQTEQFLADNGRRPRI LIAKMGQDGHDRGAKVIASAY SDLGFDVDLSPMFSTPEEJARLA VENDVHVVGAISSLAAGRSR
7023	37391	A	7077	1	354	
7024	37392	A	7078	1	1116	
7025	37393	A	7079	1	450	
7026	37394	A	7080	1	252	
7027	37395	A	7081	1	242	
7028	37396	A	7082	1	242	
7029	37397	A	7083	1	9228	
7030	37398	A	7084	3	664	
7031	37399	A	7085	3	718	
7032	37400	A	7086	380	1038	WTRWRASAADNLAHGRWGEQ KLVTGTGASGAPDRQAARCAA SAKISWYRSKSGSKIHLTPKEVE KTGWGLKIP/MGQQQLPERV KEAARILELDGLKRRPRELSG GQRQRVAMARAIVRDPVFLF DEPLSNLDAKLRVQMRLELQQ LHRRDQVEAMTLAQRVMVMN GGVAEQIGTPVEVDGDDTLEIL GADNLAHDAAGRAEAGGDWRI RSARRSSTCAH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7033	37401	A	7087	380	920	WTRWRASAADNLAHGRVGEQ KLVVTTGASGAPDRQAARCGC IWRKISWYRSKSGKSHPLTPKEV EKTGWGLKIPG/MGQQQLPERV KEAARILELDGLLKRRPRELSG GQRQRVAMARAIVRDPVAVFLF DEPLSNLDAKLRVQMRLELQQ LHRRDQVEAMTLAQRVMVMN GGVAEQIGTPVE
7034	37402	A	7088	1	258	
7035	37403	A	7089	3	208	
7036	37404	A	7090	34	125	
7037	37405	A	7091	1	393	
7038	37406	A	7092	1	690	MVAPVYIRDQYSALITNIGKGD HTTFVKPNIPATGEFGVGFLE APRGMLSHWMVIKDGHSNYQ AVVPSTWNSGPRNFNDVGPY EQSLVGTVPVADPNKPLEVVRTI HSFDPDMAWVGNILLTDEAIGV RIVEALEQRYILPDYVEILDGGT AGMELLGDMANRDHLIADAIV SKKNAPGTMMLRDEEVPALFT NKISPHQLGLADVLSDLRFTIGE FPKLPWVQA
7039	37407	A	7093	82	224	
7040	37408	A	7094	1	239	
7041	37409	A	7095	1	1062	
7042	37410	A	7096	1	221	
7043	37411	A	7097	1	1067	
7044	37412	A	7098	1	1545	
7045	37413	A	7099	1	2820	
7046	37414	A	7100	1	1223	
7047	37415	A	7101	1	3087	
7048	37416	A	7102	1	1182	MDKFLDTYTLPRLNQEEVESLN RPITGSEIVAIINSLPTKKSPGPD GFTAIFYQRYKEELVPFLKLF QSIEKEGILPNSFYEAHILIPKG RDTTKKENFRPISLMNIDAKILY KILAKRIQQHIKKLIHHDQVGFI PGMQGWFNIRKSINVQHINRA KDKNHMIIISDAEKAFDKIQPF MLKTLNKLQAQNLKLISNFNKV SGYKINVQKSQAFLYTSNRQTE SQIMSELPFTIASKRIKYLGIQLT RDVKDLFKENYKPLLKEIKEDT NKWKNIPCSWSVGRINIVKMAIL PKVIYRFNAIPIKLPMTFFTELE KTTLKFIWNQKRAHIAKSLSQ KNKAGGITLPDFKLYYKATVT KTAWYCYQNRHIDQWNRIPSEI TPHIYNYLIF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7049	37417	B	7103	1	1722	
7050	37418	A	7104	1	3513	
7051	37419	A	7105	1	2546	MSELPFTIATKRKYLGIQLKSD VKDLFKENYKPLLNEIREDTYK WKNTPCSWIGRINIMMAILPK VIYGFNAILIKLPLTFFTELEKTT LKFTQSLKRAHIAKTILSKKNK AGGIMLPDFKLYYKATVTKTA CTIHNSKDLEPTEMPSNDTLDK ENVAYIIHHGILCSHSGRVHIL CRDMDEAGNHHSRQTNTGTEN QTLHLVTHKWELNDENTWTQ GGEHHISGPVRTNNKNHMIISIG AEKAFDIQPPMLKTLNLQGLI DGTYLKIIIRDIFDRPIANILLNGQ KREASPLKTGTROGCPLPPLLF NIVLEILARAIKQKEIKGIQLG KEEVKLSLFADDMIYLENPIVS AQNLLKLSNFSKVSGYKINVQ KSQAFLYTNNRQTESQILSELPP TIASKRIKYLGIQLTRDVKDLFK ENYKPLLNEIKEDTNKWKNIPC LSIGKINIMKMAILPKVIYRFNAI PIKLPMTFFTELEKTTLKFIWNQ KRARIAKTILSQKNKDDGGITLPD FKLYYKATVTKTAWYQYQNR DIDQWNRTEPSEIIPHYVNHIF DKPDKNKKWGKDSL FNKWCW ENWLAICGKLLDPFLTPTYTKI NSRWIKDLNVRPKTIKTEENL GNTIQDIGMGKDFMSKIPKAM ATKAKIDKWNLIELKSFTAKE TTISVNRQPTWEKIFAICLSDK GLISRIYKELKQRHKKKTNNPIK
7052	37420	A	7106	1	2575	
7053	37421	A	7107	1	875	
7054	37422	B	7108	1	3421	
7055	37423	A	7109	1	3790	MELKTKARELREECRLSRRRN QLEERVSADEEMNEMKREG KFREKRIRKNEQSLQEIWDYVK RPNLRLJGVPESDAENGTKLEN LTQDIHQEDFPNLRQANVQIQE IQRTQRYSSRRATPRHIIIVRFT KVEMKQKMLRAAREKDFKPT KIKRDKEGHYIMVKGSIQQEEL TILNIYAPNTGAPRFKQVLSDL QRDLDSHTLMGDFNTPLSTLD RSTRQKVNKDQELNSALHQA DLIDIYRTLHPKSTE
7056	37424	A	7110	134	307	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
7057	37425	A	7111	2	173	RPPRSEVPGPLSPGRPPAAGLRGR*PAGVRGLREPRAFSGVRVER RSLFIGKDMFDS
7058	37426	A	7112	888	1016	VPGEIHALHSAADROQHENA*NAR TRWQHAQSGRSPLFLALSRE
7059	37427	A	7113	573	872	SPSLLPDPDAHVGC*SRSRKRPD RIRRFDSR*NLFCYCRKTS*PFH *G*MCQ*YQTDPRNSAQCHPV LRLWWPGDEYDFLCRSGSVGS VRQSGRASGL
7060	37428	A	7114	1	654	
7061	37429	A	7115	71	2776	
7062	37430	A	7116	31	1016	TVLPERPYNRKSSRRNRRCNGNP PARSFCPSSGSRSSSSPATGP/ HTAIAALPRIAFGKISDSTQH TGPQDMAKAAT*NSLRGSMRY SFKPMVGRWIKSCLRPVWC
7063	37431	A	7117	279	1243	SVLLMCAADYLPRPDPVQTCN AVRVWLYHRSHNGTTPDFSP GPVSAWYYAH/QPKIPIWSQ/QR GFTD/R*TRHKCPQRFVAPDK*I SSPD*AMNYRKHHRPAPRHTA PTQKARLMADKSSLRHRHNSA NKRRSASPLSSAGYP/GKRJRAQ NLIPASTTNGQLRIRQRRISQAR **TKRMARKGSIPISAVSNSLN SS*ASIVSSCIRCALSPLSNIHK S*TAGPWGASSRKTNIGLSRQRI FPAWQSPCSRRTVKSSRQCAVT AAISSVAFRNAAFNPEGISVAS SNSLRGSMRYSFKPMVGRWIKS CLRPVWCIRPK
7064	37432	B	7118	1	726	
7065	37433	A	7119	1	138	
7066	37434	A	7120	56	133	
7067	37435	B	7121	1	1524	
7068	37436	B	7122	1	1521	
7069	37437	A	7123	1	1494	
7070	37438	B	7124	4	1698	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7071	37439	A	7125	1	1725	MELKTKARELREECRSLSRSCD QLEERPNNRLIGVPESDGENGT KLENTLQDIIQENFPNLAKQVN VQIQEIQRTQPRYSLRRATPRHII VRFTKVEMKEKMLRAAREKGR VTLKGKPIRLTADLSAETLQAR REWGPIFNILKEKNFQPRISYPA KLSFISEGEIKSFDTKQMLRDFV TTRPALQELLKEALNMERNNRS WFFEKINKIDRPLARVIKKKRE KNQIDAINKDKEDITTNPTETIQT IREYYKHLYPNKLLENLEEMDTF LDITYTFPRLNQEEVESLNTSITG SEIVAIISIAYPQKKVQDQMDPQ PNSTRVLEVLARAIHQEKEIKGI QLGKEEVKLSLFADDMIVYLEN PIVSAQNLLKLISNFSKVSGYKI NVQKSQAFLYTNNRQTESQIMS ELPFTIASKRIKCLGIQLTRDVK DLFKENYKPLLKEIKEDTNKW KNIPCSWVGRINIVKMAILPKVI YRFNAIPIKLPMTFFTDLEKTTL NFIWNQKRARITKSILSQKNKA GGITLPDFKLYYTATVTKTAW YWYQNRWYQYQNRDIDQWN RTEPSEITPHVYNYLIF
7072	37440	A	7126	1	2478	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, v~possible nucleotide insertion)
7073	37441	A	7127	1	1746	METQKTLQKINESRSWFFKEKIN KIDRPLARLIKKEKNQIDITIK NDKGDITTDPTIEIQTITREYYKH LYANKLENLEEMDKFLDITYTL PRLNQEEAESLNKPITGPEIEAII NSLPTKKIPGPDGFTAIFYQRY KEELQHIKKLIHHDQVGFIPGM QGWFNIHKLINVIQYINRTKDK NHMHSIDA EKASDKIQPFMLK TLNKLIGDGYLKIRAIYDKPT ANIILNGQKLEAFPLKTGRQG CLLSPLLFNIVLEVLAIRQEK EKKCIRLGKEEVKLSLFADDMI VYLENPIVSAQNLLKLISNFSKV SGYKINVQKSAFLYTNNRQIE SQIMSELPFTIASKRIQYLGQLT RDVKDLFKENYKPLLEIKEEDT NKWKNI PCSWIGRINIMKMAM LPKVIYRFDAIPKLPMTFFTELE KTTLKFIWNQKRARIAKSILSQ KNKAGGITLPDFKLYYKAIVTK TAWYWYQKRDVDQWNRIEPS ETIPHICNHLIFDKPDKNKQWG KDSL FNKWCWEIWLAI GRKRK LDPFLTPTYTKINSRWIKDFNIRP KTIKLTLEESLGNIQDISMGKKFTS
7074	37442	A	7128	1	1908	
7075	37443	A	7129	1	1494	
7076	37444	A	7130	2	1562	
7077	37445	B	7131	1	1569	
7078	37446	A	7132	1	1593	
7079	37447	A	7133	1	1520	
7080	37448	B	7134	1	2796	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7081	37449	A	7135	101	1686	SIAYQPKRVQDQMSQPNSTR ANIILNGQKLEAFPLKVTGTRQF SKENFEPVSPLLFNIVLEVLAARA IRQEKIKGIQLGKKEIKLSLFA DDMIYVLENPIVSAQNLLKLISN FSKVSGYKINVQKSQAFLYTNN RQTESQIMSELPFTIASKRIKYL GIQLTRDVKDLFKQNYKPRLKE IKEDTNKWKNI PCSWVERIYIV KMAILPKVIYRFSAIPIKLPMTFF TELEKTTLKFIWNQKRARIAKSI LSQKNKAGGITLPDFKLYYKDT VTKTAWYQYQNRDIDQWNRT EPSEIMPHIYNILFDKPEKNKQ WGKDSL FNKWCWENWLAICR KLKLNPFLLPYTKINSRWIKDL NVRPQTIKTLEENLGITIDIGM GKDFRSKTPKAMATKAKSDK WDLIKLSFCTAKETTIRMNRQ PTKWEKIFATYSSDKGLISRIYN ELKQIYKKKTNNPIKKWAKDIN RHFSKEDIYAAKRHMKKCSSSL AIRQMOKITTMRYHLTPVRMAI IKKSGNNRDMDEIGNHPSQ
7082	37450	A	7136	1364	3024	TEPKTKTT*LSQ*MQKRPLTKF NNASC*KLSIN/IVLEVLARAIQ EKEIKGVQLGKEEVKLSLFADD MIIVYLENPIVSAQNLLNLISNFS KVSQYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLNER KEDTNKWKNI PCSWVERINIVK MAILPKVIYRFSAIPIKLPMTFF TELEKTTLKFIWNQKRARIAKSI LSQKNKAGGITLPDFKLYYKAT VTKTAWYQYQNRDIDQWNRT PSEILPRIYNILFDKPEKNKQW GKDSL FNKWCWENWLAICRKL KLDPLFKPYTKIKSGWIKDLNV RPKTIKLEENLGITIDIGMGK DFMSKTPKAMATKAKIDKWDL IKLKSFTAKETTIRVNRQPTER EKIFATYSSDKGLISRIYKELKQI YKKRTNNLIK VVKDMNRHFS KEDVYAAKKHMKCCSSSLAIR EMQIKTTMRYHLTPVRMAIHK SGNNRITIVLLPGSLIVRSFHVTL NAILLHPGLTLFSPSAGRRDIPR VAFSYLAFSAQPSHNTPVN
7083	37451	A	7137	1	2274	
7084	37452	A	7138	2	2348	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, v=possible nucleotide insertion)
7085	37453	A	7139	1	2202	
7086	37454	A	7140	1	2823	
7087	37455	A	7141	1052	3831	RHKKPFKKSMPGAGFFERINK IDRPLARLTKRKREKNQIHAIK NDKGDITTDPTIEIQTIREYYKH LYANKLENLEEMDKFLDTYTL PRLNQEEIESLNRPIGTAEIVAIL NSLPTKKSPGPDGFTAEFYQRY KEELVPFLKLFQSIEKEGILPNS FYEASINLIPKPGRDTTKKENFR PISLMNIDAKILSKILANRIQQHI KKLIHHDQVGFIPGMQGVFNIC KSINVIQHINRTKDKNHMHISID
7088	37456	A	7142	1	327	
7089	37457	A	7143	1	446	
7090	37458	A	7144	382	1485	
7091	37459	A	7145	1	378	
7092	37460	A	7146	2	217	
7093	37461	A	7147	1	483	
7094	37462	A	7148	1	1260	
7095	37463	A	7149	1	891	
7096	37464	A	7150	5	182	RQGLLVSPRLVQKGEIRTPGLK RSSRLDLQKC*DYRHEPSSLAS EAPSVWVLLPPWRQS
7097	37465	A	7151	1	1914	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7098	37466	A	7152	1	2200	MKLTTHRENMALTNFGCHHIA AQQLNYTNTLLAARIKQRLTEQ FELMLRQAQIDFAGKAHSLTEA QANTTQVSAERDRLFKNYQRY LKGSQAAVNPFSERDIDDARQN FLAQDALAQISQLDSL VNGEQ SQIVSLKAQLAEAKYNLEQTIV RAPSNQYVTQVLIRPGTYAASL PLRPVMVFIPDQKRQIVAQFRQ NSLLRLAPGDDEEVFNALPG KVFSGLAAISPAVPGGAYQST GTLQTLNTAPGSDGVIAITLDE HTDLSALPDGIYAQNPKNLKIV ELKAPQLPRSLDDAQIALAVIN TTYASQIGLTPAKDGIFVEDKES PYVNLIVTREDNKDAENVKKF VQAYQSDEIPCTRSKHCTPAE SGACKTESAARHAGPNLYQCR RIRSANRSAISVKGWRTPCIPDS LPAAEWLTYGSGYLAGMKLGD TPLVEYTRDRLHRETRLRSFGRY ELTTAYTPAGQLQSQHLNLLS DRDYTWNDNGELIRISSPRQTR SYSYSTTGRLTGVTHTAANLDI RIPYATDPAGNRLPDPELHPDST LSMWPDNRIARDDNLYLYRDR HGRLTEKTDLIEGIVRTDDERT HRYHYDSQHRLVHYTRTQYEE PLVESRYLYDPLGRRVAKRVW RRERDLTGWMSLSRKPVQVWY GWDGDRLLTIQNDRTRIQTIVQ PGSFPTLIRVETATGELAKTQRR
7099	37467	A	7153	719	1575	
7100	37468	A	7154	1	239	
7101	37469	A	7155	1	735	FNDSDPEARKITRRWRIGEAAD LVGVSSQAIRDAEKAGRLPHHP DMEIRGRVEQRVGYTIEQINH MRDVFGTLLRRAEDVFPVIGV AAHKELNNDYTSKKVMKPLIT SNTVTDEIERANVLKMNKGWY LFTDSRGSKMTIDGINSNDIYM LGYVSNLSLTPGYPLNKTGLVL QMALDPNDVTFYSHFAVPQT KGNVNVITSYMTNNGFFEDKK ATFAPSFLMNIKGKNTSVVKNS ILEQQQLT
7102	37470	A	7156	1	4368	
7103	37471	A	7157	1	1452	
7104	37472	A	7158	1	516	
7105	37473	A	7159	1	743	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
7106	37474	A	7160	3	1743	DSPEARKITRRWRIGEAADLV GVSSQAIRDAEKAGRLPHPDME IRGRVEQVRVGYTIEQNHMRDV FGTRLRRAEDVFPFVIGVAAHK GNDPQGTASMYHGWVPDLHIH AEDTLLPFYLGKEDDVYAIKP TCWPGLDIIPSCALHRIETELM GKFDEAQPNLIGITINVVCAAD VLIVPTPAELFDYTSALQFFDM LRDLLKNVDLKGFPDVRILLT KYSNSNGSQSPWMEEQIRDAW GSMVLKNVRETDEVGKGQIR MRTVFEQAIDQRSSTDLSLSTP AAPMVDSLIARVGVGMARGNAI TLPVCGRDKVFTLEVLRGDSVE KTSRVWSGNERDQELLTEDAL DDLIPSFLLTGQQTAFGRRVSG VIEIADGSRRRKAAALTESDYR VLVGELDDQMAALSRLGNDY RPTSAYERGQRYASRLQNEFAG KYFLRWLMRKIFHIITRCINTAK LPKSVVALFSPHGELSARSGDA LQKAFDTKEELLKQASNLHE QKKAGVIFEAEVITLLTSVLKT SSASRTSLSSRHQFAPGATVLY KGDKMVLNLDNRVPTCEIKI EAILKELEKAP
7107	37475	A	7161	1	438	
7108	37476	A	7162	1	3216	MKLMETLNQCNAGHEMTKAI AIAQFNDDSPKARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQVRVGYTIEQI NHMRDVFGTRLRRAEDVFPFG FGDFADFGTTIKQDFRLLGQTS VDRLLQLSQGQAVKGNQLLPV SLVKKRTTLAPNTQTASPRALA DSLMLARQVSR/VKRAPTC WPGLDIIPSCALPRIETELMGK FDEGLPTDPHMLRLAIETVA HDYDVIVIDSAPNLG
7109	37477	A	7163	1	513	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7110	37478	A	7164	1	2027	MRGHREKAAACKPRTRASEGT TPASTFILDFQPPNCNYTSGDNH TLRDPHYVEDKGHKYL VFAN TGTENGYQGEESLFNKAYYGG GTNFFRKESQKLQSAKKRDA ELANGALGIELNNDYTLKKVM KPLITSNTVTDEERANVFKMN GKWYLFITDSRSGSKMTIDGINSN DIYMLGYVVSNSLTGPYKPLNKT GLVLQMGLDPNDVTFTYSHFA VPQAKGILCEEDNYTAGDNHM MRAPHCEEDRAHKFVVFDA GTESGHQGEESLFNRACGGGGT FFFSKESQKLQSAKKRDCINA GHIENTKAI AIAQFNDDSPARK ITRRWRIGEADLVGVSSQAIR DAEKAGRLPHDPMEIRGRVEQ RVGYTIEQINHM RDVFGTRLKR AEDVFPPIGVAAHKG VYKT SVSVHLAQDLALKGSLLLPKND FLFKLGLGLEHPLPGKIHSPTGA DVARGSSGLPKSELFLPERNTQ ELQQDSEEGPLALQVLQSNLM DFADFGTTIKQDFRLLGQTSVD RLQLSQGQAVKGNQLLPVSL VKRKTTLPNTQTASPRALADS LMQLARQVSRLESGQNN DGIC EIHVAKYVEIFGLTSAEASKDIR QALKSFAGKLVVFYRPE/VGCR R*KRL*IFSLVYQTCAQSIQRAL CQTYQPIHSLLYRVTEPVYAV
7111	37479	A	7165	1	750	
7112	37480	A	7166	1	723	
7113	37481	B	7167	1	1156	
7114	37482	A	7168	1	999	
7115	37483	A	7169	1	529	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHDPMEIRGRVEQ RVGYTIEQI NHMRDVFVAGDEKGYESFPWF IKTCA\HPSRGLYSVHINPYLIPS LSGYRTGLRSFGLVKQKKSPIR MPCVYTNPCVSIYSRMAQASSL
7116	37484	A	7170	1	1038	
7117	37485	A	7171	1	1098	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7118	37486	A	7172	1	838	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVFGLRLRAEDVFPPVI GVAAHKGGVYKTSVSVHLAQ DLALKGLRVLLVEGNDPQGTE TMYHGWVPDLHHIAEDTLLPF YLGEKDDVTYAIAKPTCWPGLDI IPSCIALHRIETELMGKFDEGSL PTDPHLMYYQAPCMKSNAL IVILGTVTLDVAGIGLVMPVICR ASCGISSIPTASPTMACC
7119	37487	B	7173	1	1212	
7120	37488	A	7174	1	738	
7121	37489	A	7175	1	654	
7122	37490	A	7176	1	448	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVFGLRLRAEDVFPPVI GVAAHKAGNLSCLQH**IGQR AGRGGLRIGRQGGFSFHQ
7123	37491	B	7177	1	753	
7124	37492	A	7178	1	345	
7125	37493	A	7179	1	516	
7126	37494	A	7180	1	1989	
7127	37495	B	7181	1	1191	
7128	37496	A	7182	1	669	
7129	37497	A	7183	1	574	
7130	37498	A	7184	1	934	
7131	37499	A	7185	1	1281	
7132	37500	A	7186	1	324	
7133	37501	A	7187	3	817	
7134	37502	A	7188	1	587	
7135	37503	B	7189	1	610	
7136	37504	A	7190	1	882	
7137	37505	A	7191	1	1077	
7138	37506	A	7192	1	418	
7139	37507	A	7193	1	840	
7140	37508	A	7194	1	337	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRNVFGSLRRPTAELKCA SQT
7141	37509	A	7195	1	1142	
7142	37510	A	7196	1	1080	
7143	37511	A	7197	1	1170	
7144	37512	B	7198	1	1296	
7145	37513	A	7199	1	1179	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=-Stop codon, /=-possible nucleotide deletion, v=-possible nucleotide insertion)
7146	37514	A	7200	1	507	
7147	37515	A	7201	1	411	
7148	37516	A	7202	1	793	
7149	37517	B	7203	366	1502	
7150	37518	A	7204	1	1107	
7151	37519	A	7205	1	2388	
7152	37520	B	7206	1	2260	
7153	37521	A	7207	1	1067	
7154	37522	B	7208	563	1467	
7155	37523	B	7209	1	1272	
7156	37524	A	7210	1	1722	
7157	37525	B	7211	1	1917	
7158	37526	A	7212	1	2679	
7159	37527	A	7213	1	1207	MKLME TLNQINAGHEMTKAI AIAQFNDDSP EARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRV EQRVGYTIEQI NHMRDVF GTRLRRAEDVFPPG FGDFAIHFGNHHQNRIFALLGQ TSVDRLLQLSQGQAVKGNQLL PVSLVKRKTT LAPNTQTASPR LADSLMQLARQVSRL ESGQAIR DAEKAGRLPHPDMEIRGRVEQ RVGYTIEQINHMRDVF GTRLRR AEDVFPPVIGVA AHKGGVYKT SVSVHLAQDLAL KGLRVLLVE AARGLKKRGLAGTAQGPGE PG EAPKGGKKGKTEPGHERKGNWT GKGPQIREGTS PNP PREHGGE C APPPPSAKRKOPKAQKRKANSN AHPRQPKPKKRPRKRTNSRTN TRSGKRQNKQPEEPK
7160	37528	A	7214	1	2757	
7161	37529	A	7215	1	2984	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 9,540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7162	37530	A	7216	1	2387	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EADLVGVSSQAIRD AEKAGR LPHDPMEIRGRVEQRVGYTIEQI NHMRDVFGTRLRKAEDVFPPI GVA AHKAKGLTALSPQTDWNR KRNSKPLAQVQEEDSAWHPE CLQKTRQAWCDNLKTCHTSHG SVMETA VINHKKRKNSPRJVQ SNDLTEAAYSLSRDQKRMLYL FVDQIRKSDGTLQEHGICEIHV AKYAEIFGLTSAEASKDIRQAL KSFAGKEVVFYRPEEDAGDEK GYESFPWFIKRAHSPSRGLYSV HINPYLIPFFIGLQNP LTQFRLSE TKEITNPYAMRLYESLCQYRK DGSIGVSLKIDWIERYQLPQSY QRMPDFRRRFLQCINAGHEMT KAIAIAQFNDDSPARKITRRW RIGEAADLVGVSSQAIRD AEKA GRLPHDPMEIRGRVEQRVGYTI EQINHMRDVFGTRLRKAEDVFP PVI GVA AHKGGVYK/TLISVHL AQDLALKGLPGLLR/EGNDPQG /TTS MYHG WVPDLHIAEDTLL PFYLG EKDDVPYAIKPTCWAG AWHFFLP CRALHRIETELMGKF DEGKLPTDPHMLRLAIETVAH DYDVIVIDSAPNLGIGTINVVCA ADV LIVPTPAELFDYTSALQFFD MLRDLLKNVDLKGFE PDVFIRD KLMERRNRRTGRTEKARIWEV
7163	37531	A	7217	1	917	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7164	37532	A	7218	I	1862	MKLMTLNHCINAGHEMTKAV AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVGFTRLRRAEDVFPPVI GVAAHKGGVYKTSVSVHLAY DLALKGLRVLVVEGNDPQGT SMYHGWVPDLHHIAEDTLLPF YLGEKDDVTYAIPKTCWPLDI IPSCALHRIETELWGK/FDEGR SFMPGPP/HHHPLGRSSQ*QVSN SLDRAAKGN*KPLCHCPCSGTT HATRLRIKEQRPYVPPYHLQQA VVDPRRGHMLV/LNVVRVTG DVGKGQIRMRTVVEQAIDQRSS TGAWRNALSIEWPVCNEIFYRL IKPRWEIRWGWKRAPIPKHTLN TQPVEDTSLSTPAAPMVDSLIA RVGVMARGNAITLPVCGRDVK FTLEVLRGDSVEKTSRVWWSGNE RDQELLTEDALDDLIPSLFTTGQ QTPAFGRRVSGVIEIADGSRRR KAAALTESDYRLVVGELDDQ MAALSRLGNDYRPTSAYERQ RYASRLQNEFAGNISALADAEN ISRKIITRCINTAKLPKSVVALFS HPGEAICPVRMFRMKLMTLN QCINAGHEMTKAIAIAQFNDD PGSEENNPALENR
7165	37533	A	7219	I	2724	
7166	37534	A	7220	I	3252	FNDDSPARKITRRWRIGEAAD LVGVSSQAIRDAEKAGRLPHPD MEIRGRVEQRVGYTIEQINHMR DVGFTRLRRAEDVFPPFNDDSP EARKITRRWRIGEAADLVGVSS QAIRDAEKAGRSTATRILEIRGR VEQRVGYTIEQINHMRDVGFTRL LRAEDVFPPVIGVAAHKGGV YKTSVSVHLAQLALKGLRVL LVEGRSFPQTEACLLQYSSWDV SSEKPAALNKNKSEMGRGDFAD FGTITIKQDFRLLGQT
7167	37535	A	7221	I	465	
7168	37536	A	7222	I	291	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
7169	37537	A	7223	1	1710	MLCTKWDLGLEKNAGKNKN AYKWYGPANAPDEPHIEQLV GECRVMRQLKRLISRIAPSSV MVVGESGTAIPVVSHEAFKGGF ADIGVHYLDWTSRTTEKSSTKS HKDDDFGYLEFEGGANFSWGEM YGFDFWENFYNGRHNKPGSEQ RYTFKNTNRIYLGDTGFNLYLH AYGTYGSANRVNFHDDMFLA GFGQF*PAGGW/WGSNPFFAK RYTRSKPYTGDNGYVAGWV AGYNFMLGSEKFTLTWNEYE FDRDATYAADFLPLYDVCQD NGNLEYDYSQPEWKHNFH YLAVLYRFKDESGKEQFSGAV VKTREATPGKIEAITRRMLDFS PRLKKLADCPSPRVFEALCICS MLDALLLCPLDYHASCNYS YALLDPQGFPLPHRRLWGPYID VDVPMHLHIQHAWAQDALLSC LYSDLLYMSSFYPYAGTLRLM GVTSYNHKNLTLLTYCITLMSTI RFAYDGDDEEIAMKYTDFLKGE LSMNIRPLHDRVIVKRKEVETK SAGGIVLTGSASAKSTRGEVLA VGNGRILENGEVKPLDVKIGDI VFFNDGYRGEI
7170	37538	A	7224	678	1588	RTQHKASLHGRASAFCPPLFA PQAPRLFDHRGFLTFSANFAA VAFCPPLFPPTGAAAVCPLPLF APRRFLPPPPRLFRCHGFFPPC LGFLTSAAFFLPPRLFALRRRG FLPFAAAAFPTRLFAPPPTQL FAPSPWWLFAAAAFCPWLSAP TPPRLFVPAAAAFCCRDPLPSP PLFRHRDFLPPPRIFVPAAL RAGAADSAAGSTGVLGQDLWS RCVVGTMGEAPGSRGGGGGLR EDIPLPEFPSPGALSSCR*GNRR PEGEMTCQEPLLS/CSWIP*VKE FETNPNDIVRPH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hud	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7171	37539	A	7225	1	1627	MTKQLELPQSPGEVPGSDYPLL IACAYIGFLTWGGGFGSGMPLL AATPGNPVEHIALGPLVGDLTFLS GFNIFITVALIVVMPFITRMMMP KPSDVVSIDPKLLMEEADFQKQ LPKDAPPSEERLEESRILTLIGAL GIAYLAMYSFSEHGFNITINTVNL MFMIALGLLLHKTPMAYMRAIS AAARSTAGILVQFPFYAGIQLM MEHSVTGIEAAMLDDLGGHLLG VNVASLLGDGQQRSEVEMLGY LFFVGNRKATPLPYQSQPDDSC DWYRLRHEEAMTPDAVVRLEAE AAYEKYGFNDFKLKGGLVAGE EEAESIVALAQRFPQARITLDPN GAWSLNEAIKIGKYLKGSLAY AEDPCGAEQGFSGREVMAEFR RATGLPTATNMIAITNWREMGH AVIAQSVSDIPLADPHFWTMQG SVRV AQMCHEGLTWGSHSNN HFDISLAMFTHVGAAAPGNPTA IDTHWVQEGDCRLTQNPLEIK KGKIAVPDAPGLGVELDEWQV QKAHEAYKRLPGGARNDAGP MQYLIPGWTFDRKRPVFGRH
7172	37540	A	7226	3	655	
7173	37541	A	7227	1	633	
7174	37542	A	7228	1	630	
7175	37543	A	7229	362	1491	PTLSVIHESMRFFIRHQPENLTL VVL SRNLPLQALPICVFVINCW KLA VSNWHLPISTGC AVTKDG RWSPEFTITGQA/WDLPVVG YR NGVAQPLRLWQATHAHPDLT KFNDGDFLRAEQQGGINAEKLT VLYPNDNHTAGKKLRLMQQYF QCACSVADILRRHHLA GRKLLH ELADYEVIQLNDHTHTAIPELL RVLIDEHQMSWDDAWAITSKT FAYTNHTLMPEALERWDVKLV KGPLPRHMQIINEINTRFKTLDL QDAEHRPLKMRGCLLCQCHTL FQKGHRFFT GAGGNRQNNVIE HLVAASRYRFTTASRRPLFTAG FTLLTAFLFHSNFAEGVNSLMF MKNLTISGGFLLLAITGPGAYSI DRLLNKKW
7176	37544	A	7230	1	660	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,440,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7177	37545	A	7231	545	1322	KHAEHLGQATHAHPFILTKFNP GYFLRRQTTRGINAEK/LAKIFF \PKANHFAAGKKLRLMQQYFQC ACSVADILRRHHLAAGKRLHEL ADYEVIQLNDTHPTIAIPELLRV LIDEHQMSWDDAWAITSKTF YTNHTLMPALERWDVKLVKG LLPRHMQIINEINTRFKTLVEKT WPGDEKVWAKLAVVHDKQVH MANLCVVGGA VNGVAALHS DLVVKDLFPEYHQLWPNKEHN VTNGITPRRWIKQCNPAALL
7178	37546	A	7232	641	874	KYPTPGRDLRMFITGLSERL*EI TSLLKRSITGDKYSLRPLTANSV TSVTHFSFGRVALKSLSSVRAV SLDLNRCFK
7179	37547	A	7233	1	693	
7180	37548	A	7234	980	1305	TWLKICIRHKSLLITSL/HVLH SDQGWQYRMRRYQNILKEHGI KQSMRKGNCCLDNAVVECFFG TLKSECFYLDEFNSISELKDAVT EYIEYNSRRISLKLKGSDSN
7181	37549	A	7235	1	3219	
7182	37550	C	7236	1	7521	
7183	37551	A	7237	1351	2117	CDRLCSACCAEPQPVSHLHRL RRSFSEKQPDNGSQNPASRDR/ DVVDVTVIAWIEHRGGHEAPS GPGEDGMDAPAIAAGTFSPREA STLPVQVS*VCLNCCSRDVPK ATRVPL/EKLAGPLRHPLFMLF QTCLHLSLFTHHFADDSRRLQIF SVGFVAGLKQYRRDLLQGDV NPRMATAVGNDQVWFQSGNG FQARLRASDGLPRFQVRTHFG QDAFCIVIGNTDRDDVHGGQ RIGEREFQHINPLWRFEC
7184	37552	A	7238	690	868	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, /=possible nucleotide insertion)
7185	37553	A	7239	2607	3692	TWLRICSIHRSKSLILTSI/HVLHSDQGWQYRMRRYQNLKEHGIKQSMRSRKGNCLDNAVVECFFGTLKSECFYLDEFNSISELKDAVTEYIEYYNSRRISLKLGLTPIEYRNQTYMPRVNCPLEDTLRIPDIGGVVRARAIAKLLNDTDMAIIDKRRPRANVSQVMHIIGDVAGRDCVLVDDMIDTGGTLCKAAEALKERGAARVFAYATHPIFSGNAANNLRNSVIDEVVCDTIPLSD EIKSLPNVRTLTSEKYTAARFT RDLIAGITVGIIAIPALMALAIGSGVAPQYGLYTAAVAGIVIALTGGSRFSVSGPTAAFFVILYPSVQ QFGLAGLLVATLLGLDLDSDG
7186	37554	A	7240	1326	3930	NVLRGISAAFVG*AKAPRNGTQ
7187	37555	A	7241	3	195	RVDDFVGAGAPASPL*QCGQLQKLIGISIGSLRGLGTCAVSNDLTEQEIRLTLEHCPNSFF
7188	37556	B	7242	75	402	
7189	37557	A	7243	1	309	
7190	37558	A	7244	3	187	
7191	37559	A	7245	383	1778	
7192	37560	A	7246	2	447	IREKLIRLQHENKMLKLNQEGSDNEKIALQLSLDDANLRKNEL ETE/Q*VLVPINFPLTTAFVSHRFRLVNQRLLEVQSQVEELQKSLQDQGSKAEDSVLLKKLEEHLEKLHEANNELQKKRAIHEDLEPRFNNSSKIEELQEALR
7193	37561	B	7247	80	1042	
7194	37562	A	7248	1	192	
7195	37563	A	7249	3	62	
7196	37564	B	7250	219	230	
7197	37565	A	7251	246	594	
7198	37566	A	7252	1	316	
7199	37567	A	7253	1	1059	
7200	37568	A	7254	1	516	EDALEQEKELQIQVEHYEFQTRQLELKAKNYADQISRLERES EMKKEYNALHQRHTEMIQTYVEHIERSKMQQVGGNSQTESSLPGRSRKERPTSLNVFPLADGT/CTCTDRGQARACGGPLAPE*PRPA AVQLQLPGFVAVPWSERLLPVAGVPRSLGREPRLQAALHGS
7201	37569	A	7255	1	1176	
7202	37570	A	7256	1	749	
7203	37571	A	7257	1	691	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7204	37572	A	7258	2	810	VMMTGYNNGRCPRNSLYSDCII EEKTVVLQKKDNEGFGFVLRG AKADTPIEEFTPTPAFPALQYL ESVDEGGVAWQAGLRTGDFLI EVNNENVVKVGHQVVMNIR QGGNHFLKVVTVTRNLDPDD TARKKAPPPKRAPTTALTLRS KSMTSLEELVDKASVRKKKD KPVEIVPASKPSRAAENMAVEP RVATIKQRPSSRCFPAGSDMNS VYERQGLA VMTPTVPGSPKAPF LGIPRGTMRRQKSGIKKCGTTP QKLPLGFQTQP
7205	37573	A	7259	1	1416	
7206	37574	A	7260	2	1142	
7207	37575	A	7261	1	576	
7208	37576	A	7262	21	289	
7209	37577	A	7263	2	372	
7210	37578	A	7264	170	655	VRRRLGALFTWICSVTRESTSK PLSSALLSAKLLHRARSRTGLS GRNPKTISQDLQFAAIGSPLTES LNLHSRQALRDCCWHTHTIPPNP *ICTHARR/WRDCCWHTHTIPPNP DTVWRFPPLSSPVSAPKQERAS SEPCSWSHWCRCSLSWLSIPT GCTPVCSSICLLMATFPMSLIK IVR
7211	37579	A	7265	1	1725	
7212	37580	A	7266	307	686	PRRTPMKSKIKVEPIFVPLRT TRENCLRPKGYAIYEKAPRSIL KDVHLTRNQCVPIPDTRYK WWS WQVCRPKQWGWTTQGPVAPK RSAEFFAAHA*KRRRVMLNLR GLDVDSLVIHQVNKAP
7213	37581	A	7267	1	276	
7214	37582	A	7268	1	726	
7215	37583	A	7269	3	231	
7216	37584	A	7270	1	217	
7217	37585	A	7271	3	283	KRKTEGDAKGDKAKVKDESRQ RSARLSAKPAPKPEPKPKKAP AKKGEKVPKGGKKRKADAGKE REGYWRSSQVKCIHFL*LYFW*L YSLKYYFI
7218	37586	A	7272	1	1188	
7219	37587	A	7273	5	365	
7220	37588	A	7274	1	453	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7221	37589	A	7275	1	441	RQPAHPTSSAAAAPKRKSA HAGVAVAASARLPPCAGCLR AAPPLASSARLRALRRP/GGL WAAGCAPAAGQLCTAAGSAAP GALQRCGGRHGIRPWCAEIAS AG*GSGGSRWGCWPCFLLR CTSHPLSSPLPTHGSLQASFS TRDCVSSTKTLWVWLEVQR
7222	37590	A	7276	2	1957	
7223	37591	A	7277	1	678	
7224	37592	A	7278	1	720	
7225	37593	A	7279	190	2947	QALQRGLLSR/DRAPCSSKLSW RS/SPRRRAGTGPVQEEVALKP VLLRHPVQPVIRVKLPRI AGQLRGVHRLESVEEYYEADG AEWGPDDTAMLESLPEMAGKH SLPQLLSSASQPGAIIQIISIL YQIHYLKHLSSYWGASQWKH TRITHYFESLW*EHLPS*KYQK REKWADLTRSLENP/GQQPRDS WEPGFWALPQAGDSCQTSQSP RKPTGPPKPSPPPEEGRLLR/CPT MPVMRKSLTE
7226	37594	A	7280	3	439	
7227	37595	A	7281	1	273	
7228	37596	A	7282	2	1664	
7229	37597	A	7283	1	7511	
7230	37598	A	7284	1	5046	
7231	37599	A	7285	42	8716	
7232	37600	A	7286	2	201	
7233	37601	A	7287	2	797	CS/GSPPTCRQAQTSLEVALYM FLQNPDTAEAVLVAMSCFHLCE EADTQCGVDESVHNLNPN TFMEFACQCDVNSPPVGPVSE HKGSMISVMSSEGNADTPVSK YMDQLLSLMVCNLEKVG TNDKDLVLLTDINTQFVEQTL DIMKNLLDNHTEGSPHELEQAS IETMMLNLVRNKMVEYLT VMGTSNQAADDDVKCLTSR/D HPGGTLL*GQPRPELPA PASPGPRHPGASCGWPRAPDS APGGPGRER
7234	37602	A	7288	56	8669	
7235	37603	B	7289	278	2333	
7236	37604	A	7290	1	423	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US/N 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7237	37605	A	7291	2	1688	PLYFHSPPAWLCSPPPSARLYL ELRKLPA TL PWSSVTD TGSYSA GRRERGGEGEGRRVRVADH RSALPRTGPGQSEELANMQGL VERLERAVSRLESLSAESHRPP GNVCEVNGVIA/GVAPSRGKPL HKLMDSMVAEFLKNSRLSGD VETLAEIVHSAFQAQRAFLMA SQYQQPHENDVAALLKPISEKI KEIQTQRE/RTRGSNMFNHL VSESIPALGWIAVSPKPGPYVK EMNDAA TFYTNRV LKDYKHSD LRHVDVWKS YLNIWSELQAYI KEIHHTGLTWSKTGPVASTVS AFSVLSSGGLPPPPPLPPPGPP PLFENEGKKESSPSRSALFAQL NQGEAITKGLRHVTD DQKTYK NPSLRAQGGQTQSPTKSHTPSP TSPKSYPSQKHAPVLELEGKKW RVEYQEDRNDLVISETELKQVA YIFKCEKSTIQIKGVNSIINDNC KKLGLVFDNVV GIVEVINSQDI QIQVMGRVPTISINKTEGCHYL SEDALDCEIVSAKSEMNILIPQ DGDYREFFPIPEQFKTAWDGSKL
7238	37606	B	7292	44	355	
7239	37607	A	7293	1	3623	SEKEKEELERLQKEEBEERKKRL QLYVFMRCIAYPFNAKQPTD MARRQKQKSKQQLQTVKDRFQ AFLNGETQIMADEAFMNAVQS YYEVFLKSDRVARMVQSGGCS ANDSREVFKKHIEKRVRLPEID GLSKETVLSSWMAKFDIYRG EEDPRKQQARMTASAASELILS KEQLYEMFQNLGIKKFEHQLL YNACQLDNPDEQAAQIRRELD GRLQMADQIARERKFPKFSVKE MENMYIELKSSVNLLMA
7240	37608	B	7294	1	1555	
7241	37609	A	7295	1	1056	
7242	37610	B	7296	54	2173	
7243	37611	A	7297	1	984	
7244	37612	B	7298	95	1350	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, = possible nucleotide insertion)
7245	37613	A	7299	1	2569	MDGAKAFFSAVAAGFVILTCQ LQWQWQHGGVHAHQWLWLA SGYRDACFCVSTYSSGPSEFP TLGLTNELAIIDLEERKRRKAK VWKGEGGGLRSPRQSLAFA VLASRGTRSCHVSPYLGVS SSPNPHPTTGAIPPVQRWGL PQINQKNREIAIPLTLGMSTH RGCKNMSRFSPLHCCTTPIST FTDPGSHCKGAHGDICLLIQNL KGALPMSINRSYFNAHPLLQISE AVTFKDVAVVFTEELGLDPA QRKLYRDVMLENFRNLLSVGN QPFHQDTFHFLGKEKFWKMK TSQREGNSGGKIQIEMETVPEA GPHEEWSQQIWEQIASDLTRS QNSIRNSSQFFKEGDVPCQIEAR LSISHVQKPYRCNECKQSFS VSVFDLHQQSHSSEKSHTCGEC GKSFYCSPALHIHQRVHMGEK CYKCDVCGKEFNQSSHLQTHQ RVHTGEKPFKCGQCGKGFHSRS ALNVHCKLHTGEKPYNCEECG KAFIHDSQLQEHQRIHTGEKPF KCDICGKSFRVRSRLNRHSMVH TGEKAFCRDTCKGNFRQRSAL NSHSMVHIEEPYKCEQCGKGF ICRRDFCKHQMVTGEKPYNC KECGKTRWSSCLLNHQVHS GQKSFKECECGKGFYTNRRSS HQRSHNGEKPYNCEECGKDYK RRLDLEFHQRVHTGERPYNCK
7246	37614	A	7300	2	326	
7247	37615	A	7301	166	443	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7248	37616	A	7302	1	2692	MDPGTLQSASQGP TAINPCDYV LKRRNIQTWSQRLTPIKWHVYI LMIGPGEKEAGRN LGIFGK WTP FPKIPAKRLRESNCPVDAQEIW LPQAFREYLGRRGNFGPGRRTC EFWEVESICSVESWELWLRQA DSGDSGKCSPDACGHIDTSLR AGHCYLTRLWHVSGRIPPSFKL HHPGVCKFPKVGGKMTTFKEA VTFKDVA VVFTEELGLLDPAQ RKLYRDVMLENFRNLLSVGHQ PFHQDTCHFLREKFWMMGT ATQREGNSGGKIQTOMETVPE AGTHEEFSCQIWEQIASDLTR SQD TTISNSQLFEQDDNPSQIKA RLSIHVKTETSEGRCKKSFSD VSVLDLHQQLQSREKSHTCDEC GKSFYSSALRIHQRVHMGKEL YNCDCVCGKEFNQSSHQIHQRI HTGEKPFKCEQCGKFSRRSGL YVHRKLHTGVKPHICEKCGKA FIHDSQLQEHRHTGEKPFKC DICCKSFRSRANLNHRSMVHM REKPFRCDDTCKGSFGLKSALNS HRMVHTGEKRYKCEECGKRFI YRQDLYKHQIDHTGEKPYNCK ECGKSFRWASGLSRHVRVHSG ETTFKCECGKGFYTNSQRYSH QRAHSGEKPYRCEECGKG YKR RLDLDFHQRVHRGEKPYNCKE CGKSPGWASCLLNHQRIHSGEK PFKCEECGKRFTQNSQLYTHRR
7249	37617	A	7303	1	585	KRTAISPKDAFETRQDLNEEEA AQVHG VKDPAP/ASTQSVLADG TDSAGN*ARQEPHKAAL*PIQN YQANLVNTFPYSNNSGGRG/RL MKTV/TQGSQQPSLADPASHLP VGDHLTYSNETEPVRALLPDEK KEVKPPALSMNLEHATMPVL LDHLRETRADKKRLRKALREFE EQFFKQTGRSPQKEDRIPMADE YY
7250	37618	A	7304	1	366	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7251	37619	A	7305	1	1265	R Y R P G I G S T I S S L V E E H A P P S W E P Q H Q N V E A T V L V D S V L R P S M G N F K S R K P K S I F K A E S G R S H G E S Q E T E H V V S S Q S E C Q V R A G T P A H E S P Q N N A F K C Q E T V R L Q P R I D Q R T A T S P K D A F E T R Q D L N E E E A A Q V H G V K D P A P A S T Q S V L A / D G T D S A D P S P V H K D G Q N E A D S A P E D L H S V G T S R L L L / Y H I T D G D N P L L S P R L F P L S G S Q R F N L D P E S A P S P P T Q Q F M M P R S S S R C S C G D G K E P Q T I T Q L T K H I Q S L K R K I R K F E E K F E Q E K Y R P S H G D K T S N P E V L K W M N D L A K G R K Q L K E L K L K L S E E Q G S A P K G P P R N L L C E Q P T V P R E N G K P E A A G P E P S S S G E E T P D A A L T C L K E R R E Q L P P Q E D S K V T K Q D K N L I K P L Y D R Y R I I K Q I L S T P S L I P T I V S Q D T C M L L L C
7252	37620	A	7306	797	1390	P R M G A R P R A P A Q P P P A A A Q R P P A R P A T P T A C G S S A H R A P S P A R S R R S P C T P R A A P A P G P K A A R Q W A G T A T R S S R P Q R S A R R S P R D S S R C W A I S S R K R A A T A C T P G A K R R V A T K A R G A L W S K P K S K A M R L W P W C L S G R L G S * K A Q E V A Q D P G S D E G R G R L V E S G L Q D E G W V P Q G G E G V A G Q D A S H R G S F R G A L K
7253	37621	A	7307	605	697	
7254	37622	A	7308	1	1263	
7255	37623	A	7309	257	1190	
7256	37624	A	7310	394	485	
7257	37625	A	7311	21	674	
7258	37626	A	7312	277	396	G L L P G W K I * C S R V F V T S A I H V E V A E L A N L P C T K V H F P D P N K L H C F Q L T V T P D E G Y Y Q G G K F Q F E T E V P D A Y N M V P P K V K C L T K I W H P N I T E T
7259	37627	C	7313	74	316	
7260	37628	C	7314	211	390	
7261	37629	A	7315	1	2601	
7262	37630	A	7316	1	1365	
7263	37631	A	7317	358	760	S I P L L F R K S S L S R K * C S A A S I F S G S S K F K R S V N K E F N P Q T T S F N V L V G A Q P V P S I E C S L N K L R H I S P V S V I V G V P D S L V Q A F H F G R H H V V R I R E L Q F Q T E I F H P G S N P H L G L L L A E N N E A C L D Q E N A L Y M Y K V
7264	37632	A	7318	1	1728	
7265	37633	A	7319	1	558	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
7266	37634	A	7320	2	1884	PAGAGPGQEAGAGPGPGAVAY ATGAEEGEMKPVAAGAAVPPG EGISAAPTVEPSSGEAEGGEAN LVDVSGGLETESSNG\KDTLEG AGDTSEVMDTQAGSVDEENGR QLGEVELQCGICTKWFTADTFG IDTSSCLPFMTNYSFHCNVCHH SGNTYFLRKQANLKEMCLSAL ANLTWQFRQTQEEHPKTMFSKD KDIIFFIDKYWECMTTRHRPGK TTWPNNIVKTMSEKRDVFLVK EHPDPGSKDPEEDYPKFGLLDQ DLNIGPAYDNQKQSSAVSTSG NLNGGIAAGSSGKGRGAKRKQ QDGGTTGTTKKARSDFLSAQOR LPPHGYPLEHPFNKDGYYRILA EPDPQAPDPEKLEIDCWAGKPIS GDLYRACLYERVLLALHDRAP QLKISDDRLTVVGEKGYSMVR ASHGVRKGAWYFEITVDEMPP DTAARLGWSQPLGNLQAPLGY DKFSYSWRSKKGTKFHQSIGKH YSSGYGQGDVLFYINLPEDTE TAKSLPDTYKDKALIKFSYLY FEEKDFVDKAEKSLKQTPHSEI FYKNGVNVQGVAYKDIFEGVYF PAISLYKSCTVSINFGPCFKYPP KDLTYRPMSDMGWGAVVEHT LADVLYHVETEVDGRRSPWE
7267	37635	A	7321	1	267	
7268	37636	A	7322	60	888	RGAALARTLSVRVPGAGTRR SHALGPRPGARSSFRLRCELRR CMCGNNMSTPLPAIVPAARKA TA AVIFLHGLGDTGHGWAEAF AGIRSSHIIYICPHAPVRPVTLN MNVAMPWF\DIIGLSPDSQED ESGIKQAAENIKALIDQEVKNGI PSNRILG/GFSQGGALSLYTALT TQQLAGVTALSCWLPLRASFP QGPIGGANRDISILQCHGDCDPL VPLMFGSLTVEKCLKLVNPNAN VTFKTYEGMMHSSCQEQEMMD VKQFIDKLLPPID
7269	37637	A	7323	1	1182	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7270	37638	A	7324	1	2469	MVDRARPTVLVTEVPLSKHT AQMGLVLTANESQPLVHETAL KNKKPQSWFNPFCVSYNRKPG LQD*GRAERPELGEQATEAALL KAPAESVRQEHRSNT/PQTRSC CPQYFPRAGCLPSRGHDVEPQH EAGDGPCRGIRNG*KLLSSFFG QQVRT**R/CSELTPEKQEFFKGS ESSNRTSGGLFGVVPGA AETGD VCVYTFKELEGQTSDEEGSRLE NDFLEITDEDKKKSTKDRYDKY KEVGEHPLSSSPVEHEGVKLG QKSYRCDECGKAFNRSSH.LIGH QRIHTGEKPYECNECGKTRFQT SQLIVHLRTHTGEKPYECSECG KAYRHSSHLIQHQLHNKEKPY KCNECAKAFQSSRLTDHQR HTGEKPYECNECGEAFIRSKSL ARHQVLHTGKKPYKCNECGRA FCSNRNLIDHQRIHTGEKPYECS ECGKAFSRSSGLISHHRVHTGE KPYSCIECGKAFNQNSQLIEHQ RMHRGKKVYKCECGKAFGLS KCLIRHQRLHTGEKPYKCNECG KSFNQNSHLIHHQRIHTGEKPYE CNECGKVFSYSSSLMVHQRT TGEKPYKCNDCKGAFSDSSQLI VHQRVHTGEKPYECSECGKAF SQRSTFNHHQRTHTGEKSSGLA CQEGNKEISKGPQKPPGYRLCP LQAVGGGEFGPTRVHISFSLSD LKQIKVFFPGGLMLEKQKKKS
7271	37639	A	7325	1	1596	
7272	37640	A	7326	2	3394	MAHAGGGSGGSGAGGAPAGR LSGARWGRSGSAGHEKLPVHV EDALTYLDQVKIRFGSDPATYN GFLEIMKEFKSQSIDTPGVIRRV SQLFHEHPDLIVGFNAFLPLGY RIDIPKNGKLNQSPQTSQENSH NHGDGAEDFKQQVPYKEDKPKQ VPLESDSVFNNNAISYVVKIKTR FLDHPEIYRSFLELHTYQKEQL NTRGRPRFRGMSEEEVFTEVANL FRGQEDLLSEFGQFLPEAKRSLF TGNGPCMHHSVQ
7273	37641	A	7327	1	738	
7274	37642	A	7328	1	399	
7275	37643	A	7329	3	223	
7276	37644	A	7330	1	1040	
7277	37645	A	7331	1	465	
7278	37646	A	7332	1	288	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7279	37647	A	7333	109	4770	
7280	37648	A	7334	109	4687	
7281	37649	A	7335	109	4860	
7282	37650	A	7336	1	336	
7283	37651	A	7337	1	441	
7284	37652	A	7338	305	446	
7285	37653	A	7339	2	461	
7286	37654	A	7340	59	620	FQKIGL**/FIDLKDLFTIPLAE QDCEWFATIPVNNLQPAKRF HCFDTGSGNNGKASYSGSKNV FQMSYTSAQKAEVAVIELIEN AQLRFHTDEQLMTLFTQLQTA VRSRMHPFYITHIRAHPLPGPL TEGNQMADRLVANAISSARHF QQHLL/THSHPPGDRSRSCRHW RKKLEESGTSSHE
7287	37655	A	7341	1	1410	
7288	37656	A	7342	1	1740	MGQVWALVHSTLETFTHTDEEE GEYNEVTEQVCLPAKAGSAAV DLCTKA VSLLPGESPPQKVPTG AGGPLPAGMTGLLLGRSSLNIK AVQVQTGVTDSDYNGEIQVITS TSVPWKA KPGDHIAQLLVIPKK FIEGLKEPLQVERQSSCQGLGY/ PFLMAAIVKPEPIPLKWLTDKP IWTEQWPLSKEKLEALEDLITQ QLKKGHIAPTFSPWNSPVFIKK KSAEQDCEWVFVFTILAVNNLQL KPAKRFHWKVLPGPNQPIWI PSRYLKYHKPDACEEIEPGSQ GFPVAAMSRLTLRRTPTVTSNT HRTQPPTWGQIEKLPMQAEENL RKAGQPVITISNWILPRITKFKPI EGAENVFTDGSNGKASYSGSK GPLTEGNQMADRLVAKVISNA RHFHNLTHVNASGLKRRYSIT WKEAKAIHQRCPTQVMLSAEE QHLQKSAAKTEAEKLVWWRD PITKSREIGKIITWGRGYACVSP GPNQQPIWIPSKHLKPYHKPDA GEKIPGESRGPPVAAMSRLTLR RMPTVMSNTHRTQPPTWGQIK KLSQMAEENLRKAGQPVTMNN LMIAVITTA FNKG
7289	37657	A	7343	1	1239	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7290	37658	A	7344	1	777	MPQNSLEECALGLGKKSLQEN VNNFPKTKLQFLKLTNWLPKI TKFKPIEGAENVFDGSSNGKA SYFGLKGKVFQTPYTAQKVE LVAVIEVLTAFDMPVMSIDST YVVHSTQLTENAQLRLHTDEE LMTLFSQLQTA VR/CFAVMGIP ASTTT/DNAPGYTSQALATFFS MWNIKRITGIPYNSQQAIVER MNLSLKQQLQKQTEGDREYGT PQMQLNLALLTLNFLSLPKGQ MLSAAEQHLQKPAVKTEAEQLI
7291	37659	A	7345	1	1307	
7292	37660	A	7346	1	2040	
7293	37661	A	7347	1	1898	MAGAPPPAWLPHCSSISDCCAR NERGSGVGVPASKPARSAAVDL CCTKAVSLLPGEPPQKVPARVC GPLPAGTVGLLLGRSSLKKEV QIHTGVIDSDYKVEIQVVSSTV PWKAEPGERIAQLLVPPYVGT GKSEIKQTEGFGSTNKQGKAAY WVNOITDKHLTCEITQGGKFK GLVDTGADVSIISLQHWPSMW P IQSTQFNIVGVDGSSNGKASYF GSKCKVFQMPYTSQKVELVA IIEVLTTFDMPINVISDSSYVVHS TQLIENALQFHTDEQLMTLFT QLQTAVRSRMHPFYITHIRARV TLPGLTEGNQMADCLVATA VSNARHFHNLTHVNASGLKCR YSNTWKAAKAIQRRPTCQMV HSSSFTGGVNPQGLEPNSLWQ MDVTHVPSFGRLAYVHVVCVDT FSHFVWATCQSGESSACVKHH LLQGFVVMGIPASIKTDNVPGY TSQALATFFSMLNKRITDIPYN SQDVEADANADVGVDDVDADA DVDAEEVEFTDADADAEDVD EDADAERLCNADNEDSLDL VDAEMDADVDTNLDVDAADV VDVDADADVADIDVDVDTG LNLEADLDDVDADVDTTADV DRDADVEVADADATVNADV DYVDVDTDS
7294	37662	A	7348	2	565	
7295	37663	A	7349	1	996	
7296	37664	A	7350	18	260	
7297	37665	A	7351	1	594	
7298	37666	C	7352	232	603	
7299	37667	A	7353	1	1236	
7300	37668	A	7354	568	1370	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide locatin of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7301	37669	A	7355	1	1800	
7302	37670	A	7356	1	498	
7303	37671	A	7357	1	3400	MDCSEKWRDPLDAVCVLPATE EPVVQGSALYLVAHDDYCV WYSLQRTSPEKNERVRQMRPV CDCQAHLWNRPRFGEINDQD RTDRYVQALRTEIPLTLKGAKL QREEKEGDMPCRANILVTELF TELIGEGALPSYEAHRHLVET SLGEQVIVPPVDVESC PGAPSV CDIQLNQVSPADFTVLS DVLPM FSIDFSKQVSSAACHSRREPEL TSGRAQVVLVSWDIEDMPEGK IKCTMAPFWAHSDEEMQ
7304	37672	A	7358	1	687	
7305	37673	A	7359	1	660	
7306	37674	A	7360	112	474	
7307	37675	A	7361	352	441	
7308	37676	B	7362	1	831	
7309	37677	A	7363	460	612	
7310	37678	A	7364	251	496	LFVSI/VQV FH*GRRGFLLV DCVQIWCEMISHSGFDLHFS DGQ*/WMSISSC/DFLAA* MSSFEKCLFMSFAHFLMGLFV FFFL
7311	37679	B	7365	1	729	
7312	37680	A	7366	1	774	
7313	37681	B	7367	1	516	
7314	37682	A	7368	10	504	
7315	37683	C	7369	520	1656	
7316	37684	B	7370	1	1206	
7317	37685	A	7371	677	1126	AVTLTTKVCSTPEASETTNPPG GTNNRRTALRAVALTAKVRS FTPRGSAASFLKSVRPRTHQFRT Q*HVHQIEFSPGGLWESCPRAS SSTGDPGRPPERRGAAARKTVG VQGVGYSLPRKLCPLFSRTTYP HTSLRKDCLESDTAE
7318	37686	A	7372	2	394	HLFIYLLVLLWCPGWQPTAG LKGSCLSLSNWNYRPPL*AL LLGTQKLPRVWNFIMVRRIQDG VKPSVIAEREMSKRKAASLL SQRDHEPTRRKKLRTHPNIRRN KLQTRHLKSCNTHCEGPWRHS
7319	37687	A	7373	1	204	
7320	37688	A	7374	1	879	
7321	37689	A	7375	139	4488	
7322	37690	A	7376	1	933	
7323	37691	A	7377	335	582	VLQLLRQHVWSCSFLLVGSWS HWLQERSCRSSQ*VLQLIKAV WTQRTQEPSWLHLVDPAPGLQ VELPASPTRYAHTPQPLGG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
7324	37692	B	7378	1	3101	
7325	37693	A	7379	365	625	VAKIFSHVVGCLFTLMVVSFAV QKLFSLIRSHLSILAFVIAAFGLV DMKSLPTMS*MVMPRFSSRVF MVLGLKFKSLIHLELIFV
7326	37694	A	7380	994	1167	NKGGHKQMEEHSMMLMDRKNQ YRENGHTAQGNL*IQCHPHQAT NDFLHRJGKNKLASNM
7327	37695	C	7381	143	3529	
7328	37696	B	7382	54	1158	
7329	37697	A	7383	1662	1919	LLNVFALAFVLLEMLGCQFW IFPAFSCRHLVL*ISLYTLL*MRP RDSGMWCLCSRWFQRTSLFLA SFERYVPSHSGAGCSVSM
7330	37698	A	7384	63	1650	SPGHI*SSV*REIYSTKCPQEK GKI*NSHPNITIKRTGEARANTF KS*QKARNN*DQSRTEGDRDT KNPSKNQ/CNPGAGFLKRSTKLI DR*QD*RRK*RRIK*T**KMIK GI/VTDPTEIQTITREFYKHFYA NRLKNLEEMDEFLETYTLPLRLN QEEVESLNRPTGSEIAIINSLP TKKSPGPDGFTAIEYQRTNDKN HMIISIDEKAFDKIQQPFMLEM LNKLGIYGYMKIIRTIYDKSTA NIILNVQKLEAFPLKTGTTRQGPC LSPLLFNIVLEVLARAIRQEKEI KGIRLRKEVFKMFLFADDMIVY LENPIISAPNLLKLISNFSKVS GYKINVQKSQAFLYTNNRQTESQI MSELPFTIATKRIKYLGIQLTRD VKDLFKENYKPLLNEIKEDTNK WKNIPCSWIGRINIVKMAILPKV IYRFNAIPKLPMTFFTELEKTTL KFIWNQKRALNAKTILSQKNK AGGIMLPDFKLPYKATWYWNQ NTEIDQWNKTEASEITPHIYNHL VFDNPDKNKK
7331	37699	A	7385	392	493	
7332	37700	A	7386	1	1223	
7333	37701	A	7387	386	553	KMIKGISLIPQRYKLPSSENTINT STQIN*KI*KKWHHSHTHTPSQD* TRKKLNL
7334	37702	B	7388	285	1581	
7335	37703	A	7389	1	1473	
7336	37704	A	7390	755	1042	SSYATKKEPALPSQSEAKKTKL ETSCYLTSNYTRTLQ*PKQHG GTKEI*ANGTEQSPQ*YHTA TTIWSLTNLTKTRNGERIPYLN GVGKTG
7337	37705	C	7391	1	2334	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *~Stop codon, /~possible nucleotide deletion, ~possible nucleotide insertion)
7338	37706	A	7392	1	1539	
7339	37707	B	7393	1	2361	
7340	37708	A	7394	5071	5535	GTAFLWRRRGALRFRVSSFSVL FFPHLCGFYFWSLMMVMYRC VFGVDVLVVC*FSF*QTGPSAA GLLEYPAV*GVSVPLLGGASQL GCSGVRGQGP*GGSPLVLRSP AACWENHCSLQSCQTGTFKSA EVTAVFLFVCALPPEVEPTAEG
7341	37709	A	7395	1	459	
7342	37710	A	7396	3	1063	
7343	37711	A	7397	39	895	
7344	37712	A	7398	2	277	
7345	37713	A	7399	34	845	
7346	37714	A	7400	1	3399	
7347	37715	A	7401	1	3126	
7348	37716	A	7402	1	387	
7349	37717	A	7403	1	3578	RDLVVGCGGFVKSDVEINYSLI EIKLYTKHGTLKYQTDCAPN GYFMIPLYDKGDFILKIEPLGW SFEPTTVELHVDGVSDICTKGG DINFVFTGFSVNGKVLKSGQPL GPAGVQVSLRNTGTAKIQSTV TQPGGKFAFFKVLPGDYELAT HPTWALKEASTTVSVTNSNAN AASPLIVAGYNVSGSVRSDGEP MKGVKFLFSSLVTKEDVLGC NVSPVPGFPQDESLEYLYCYTV SREDGSFSFYSLPSG
7350	37718	A	7404	34	460	
7351	37719	A	7405	105	245	VSSEKVLGVPCPAASAAASGD ASR*MATGRGGGGGVAALPE SAP
7352	37720	A	7406	1	1289	
7353	37721	A	7407	462	5250	
7354	37722	A	7408	714	887	
7355	37723	A	7409	1	109	PLRQLLCVKRGFC*HH*HEGCQ SRLLRLCLLCSTAI
7356	37724	A	7410	1	1845	
7357	37725	A	7411	192	1507	
7358	37726	A	7412	2	688	
7359	37727	A	7413	1	518	
7360	37728	A	7414	1	276	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, \possible nucleotide insertion)
7361	37729	A	7415	984	3112	MWQETFFRMENLQLIILILGSP SQLHFPVIRNNQGWLYHQWP HFLNRFSSRLSNSLLNLQKFTC ANCKKPLQKGQTAYQRKGS LFCSTTCLSSFHKKPAKPKLCV MCKKDITTMKGTT/VLAQVDSS ESFQEFCSVTSCLISL/YEEQQNP TKGALNKSRTCICGKLTEIRHE VSFKNMTHKLCSDHCFNRYRM ANGLIMNCCEQCCEYLPSKGA GNNVLVIDGQQKRFCQSCVSE YKQVGSHPFLKEVRDHMQDS FLMQPEKYGKLTCTGCRTOC RFFDMTCQIGPNGYMEPYCSTA CMNSHKTAKYAKSQLGIIHCF KRNSLPQYQATMPDGKLYNFC NSSCAKQFALSMQSSPNQGFV APSDIQLKCNKYCKNSFCCKPEIL EWENKVHQFCKTCSDDYKKL HCIVTYCEYQCEETLHETVNF SGVKRPFCEGCKLLYKQDFAR RLGLRCVTCNYSQCLCKGGAT KELDGVRDFCSEDCCKKQFD WYYKAARCDCKSQGTLKERV QWRGEMKHFCQDQCLLRFYCQ QNEPNMTTQKGPENLHYDQGC QTSRTKMTGSAPPPPTPNKEM KNKAVLCKPLMTKATYCKPH MQTKSCQTDDBTWRTYVVPVPI VPVPIVPMHMYSQNPVPTTV PVPVVPVFLPAPLDSSEKIPAAI EELKSKVSSDALDTELLTMD
7362	37730	A	7416	1	1071	
7363	37731	A	7417	88	2118	
7364	37732	A	7418	2	2930	
7365	37733	A	7419	1	1677	
7366	37734	A	7420	172	13329	
7367	37735	A	7421	2	946	
7368	37736	A	7422	255	933	WIEAAPQAQEVQGDGLWLPCG AAGAGGLQSARSYGTVGEASY AEHPW/CAPGGCMAGCGSLAA AASPLGVPGLHP/QPTAAPSHPH RASLRVALLSGQWGLTCGQLL ASAPLLQSWAWDTRLLMCRRRL SCSSEEGERIAQLLLPYLKLGS STVKRTGGFGNTNPAGKAVYW VNQVSKDRPICTVAIQGKDFEG LVDTEADVSIHAINQWQPHWPK QKASIGIVGVGAA
7369	37737	A	7423	718	2385	
7370	37738	A	7424	1	180	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7371	37739	A	7425	1	1713	
7372	37740	A	7426	1	774	
7373	37741	A	7427	2	158	
7374	37742	A	7428	1	174	
7375	37743	A	7429	252	1245	ELGECGCRQGSVSHCGRGRPL LPRVRGKRHLPRARLARCQEAL SPWGFRCRFRNHHQTGFSLAGA NQRGPLAATLSGPGGEGQSAV ARLMGEKKNHGAQYATRLSP RVGRFINAAGTTGFTGKRAPT CWPGADNIPSCCLALPRIETELM GKFDEGKLPDTPHMLGLAIET VAHDYDVVIDSAPNLGIGTINV VCAADVLIIVPTPAELFDYTSAL QFFDMLRDLKKNVDLKGFEPP VRILLTKYSNSNGSQSPWMEEQ IRDAWGSMLVKNVRETDEVG KGQIRMRTVFEQAIDQRSSTGA WRNALSIEWPVCNEIFDRLIKPR
7376	37744	A	7430	1	1113	
7377	37745	B	7431	56	1234	
7378	37746	A	7432	667	1048	LLLFRDLGIGTINVCAADVLI PTPAELFDYTSALQFFDMLRDL LKNVDLKGFEPPDVRILLTKYSN SNSQSPWMEEQIRDAARFPV GKPVVPAALMNRPTRRGEAVC VLGARVVFLFTSETGNS
7379	37747	A	7433	1	1428	
7380	37748	A	7434	1	1125	
7381	37749	A	7435	1	756	SDRRYEWDRGPSLIIRPTIRVGP WSQTNNQTDTSGTVV/RRFPF PVIGVVFHKGGVYKTSVSVHL AQDLALKGLRVLLVEGNDFQG TASMYHGWPDLHIHAEDTLL PFYDPLMLRLAIETVAHDYD VVIDSAPNLGIGTINVCAADV LIIVPTPAELFDYTSALQFFDMLR DLKKNVDLKGFEPPDVRILLTKY SNSNGSQSPWMEEQISDALRIS QRRNISSKFIQSACITLTFIST CWAIIVTQSG
7382	37750	A	7436	1	1329	
7383	37751	A	7437	1	1185	
7384	37752	A	7438	1	1065	
7385	37753	B	7439	67	1033	
7386	37754	A	7440	1	1192	
7387	37755	A	7441	1	1413	
7388	37756	A	7442	1	1176	
7389	37757	A	7443	1	1302	
7390	37758	B	7444	1169	3356	
7391	37759	A	7445	14	3974	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
7392	37760	A	7446	677	1033	RATASSISTTRPCESTSNAPSCN SPIRSRSPLIPIRPASITLILVSM MRMVRAATISCAILVSRCPAISP PLCTAFFRPICAAAGVPVFTLFTT TP*SLPLLLISAPSMPLKMELES T
7393	37761	A	7447	1558	1748	CSNASARFFAAVNPSSGLGMILM *SRFIVFTKLSAIPPLSGLRTAVF FGSSPNIRANWRVSLAR
7394	37762	A	7448	1	595	LKNSKPQVVMMAAGIFLIMCG VWLFGGGVLDPTKSSGYLIVDI YNEIICMLSNRIAGLGLSIMAVG GYARYMEGTPASRAMVSLLSR PLKLIRSPYIILSAT*VIGQIMP/Q FITSASGLGMLLMVPLFPTLVSL GVSRLSAVAVIATTTMSIEWGIL ETNSIFAAQVAGMKIATFFCHA HNPVASRVILSVAISGTRAR
7395	37763	A	7449	1	978	
7396	37764	C	7450	32	316	
7397	37765	A	7451	1	2465	
7398	37766	A	7452	1	1416	MIILIDAEKAFDKIQPFMLKTL SKLGTDTGYLKIIRAIYDKPTAN IILNGQKLEAFPLKTGTTRQGCPL SPLLFNIGLEDLARAIRQKEIK GIQLGKEEVKLSLFADDMIVYL ENPIVSAQNLLKLISNFSKVSQY KINVQKSQAFLYTNNRQTESQI MSELPTTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILPR DIDQW/NRTEPSEIMPHTYNYLI FDKPEKNQWKGDSLFFHKWC WENWLA VCRKLKLDPLTPYT KINSRWIKDLNIRPKTIKTLEEN LGITIQDIGVGKDFMSKAPKAM ATKAKIDKWDLIKLSFCTAKE TTIRVNRQPTTWEKIFATYSSD KGLISGIYNELKQIYKKKTNNPI KKWAKDMNRHFSKEDIHAAK KHMKKCSSSLAIREMDIKTTMR YHLTPVRMAILKKSGNNRCWR GCGEIGTL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7399	37767	A	7453	3	2272	RSTRQKVNKIDTQELNSALHQA DLIDIYRTLHLKSTEYTFSSAPH HTYSKIDHILGSKALLSKCKRTE IITNYLSDHSAIKLELRKINLTQ NRSTTWKLNLLNDYVWHN KMKAEIKMFFETNENKDTTYQ NLWDTFKAVCRGFIALNAHK RKQERSKIDTLTSQLEKEKQE QTHSKASRRQEITKIRAELEKE TQKTLQKINESRSWFFERINKID RPLARLIKKKREKNLIDAIKND KGDITDPTETIQTIREYYKHL TNKLENLEEMDKFLDITYLPR NEEEVESLNRPTGAIEIVAINSL PTKKSFGPDGFTAIFYQRYKEE LVPFLLKLFQSEKEGILPNSCY EASILIPKPGRDITKKENFRPIS LMNIDAKILNKILAKRIQHHKK LIHHDQVGFIPGMQGWFNIRKS INVIQHINRAKDKNHMISIDAE KAFDKIQQFFMLKTLNKL/DIGR NYCKVHMEPKKSPHRQVNPKE KEQSWRHHTT*LTQILQGSYNQ NSMVLVPKQRYRSMQNRALR NNAAYLQLSDL*QT*EKQAMG NGFPI**MVLGKLASHM*KAET GSLPYTYLYKNQFKMD*RLKR*T *NHKNPRKPRHYHSGHRHGG GLHV*NTKSNNGNKSQN*QMG N*TKELLHSKRNYHQSEQATY KMGENFHNLLI*QRANIQLQ* TQTNLQEKKNQPHQKVGKGHE
7400	37768	A	7454	1	3020	
7401	37769	A	7455	1	3046	MVKGSIQEEILTINIYAPNTG ALRFIKQVLRDLQRDLDSHTIM GDFHTPLSTLDRSTQKVNKDI QELNSALHQEDLIDIYRTLHPKS TEYTFSSAPHHTYSKIDHIVGSK ALLSKCKRTEITNCLSDHSAIK LELRKINLTQNRSTTWKLNLL LNDYVWHNEMKAEIKMFFETN ENKDTTYQNLWDTFKAVCRGK FIALNAHKRKQERSKIDTLTSQ LEKEKQEQTHSKASRRQEITKIR AELKEIETQ
7402	37770	B	7456	197	1917	
7403	37771	B	7457	1	1954	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
7404	37772	A	7458	1	1947	MNIDAKILNKILANRIQQHIKKL IHHDQVGFIPGRQGWFNICKSIN VIQHINRAKDKNHMIISIDAEKA FDKIQLFLMLKTLNKLIGDGT FKIIRAIYDKPTANIILNGKKLEA FPLKTGTGRQGCPLSPLLFNIVLE VLARAIRQEKEIKGIQLGKEEV KLSLFADDMIVYLENPVISAQN LLKLISNFSKVSGYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLGIQLTRDVKDLFKEN YKPLLKEIKEDANKWKNIPCSW VGRINIVKMAILPKVIYRFNAIPI KLPMITFFTELEKTTLKFIWNQK RAHITKAILSQKNKARGITLPDF KLYYKATVTKTAWYWYQNRD IDQWNRTPQSEITPHIYNILIFD KPDKNKQWKGSLFNKWCWE NWLAIKRLKLDPLTPYTKIN SRWIKDLNVRPKTTKTLEENLG ITIQDIGMGDMFMSKTPKAMAT KDKIDKWDLIKLSFCTAKETT IRVNRQPTKWEKIFTYSSDKG LISRIYNELKQIYKKKTNNPIKK WAKDMNRHFSKEDIYAARKH MKKCSPLAIREMQIKTTMRYH LTPVRMAIHKSGNNRCWRGC GEIGTLLHCWWINWMKKTWH IYTMEYYASIKKNEFMSFAGA* MKLETII
7405	37773	A	7459	1	1713	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7406	37774	A	7460	281	2882	KPRLNMYMKNAEASRADAINW KKGGY/LVMEDKMNMKREGKF REKRIKRNKQSLQEIWDYVKRP NLRLISVPESDRENGTKLENTL QDIHQENFPNLRQANIQIEIQ RTIPQRYSSRRATPRHIVRFSKV EMKEKMLRAAREKEIQTNIREY YKHRYANKLENLEEMDKFLNI YTLRRLNQEEVESLNRPIRGSEI VAIINSLPTKKSPGPDGFTA EYY QRYKEELVPFLKLQFSIEKEGI LPNSFYEASIIIPKGRDITTKKE NFRITSLMNIDAKILNKILANRI QQHIKKLIHHDQVGFIPMGQ WFNIRKSINVIQHINRTKDKNH VIISIDAEKAFDKIQQLFLLKTL NKLIGIDGTYLKIKRAIYDKPTA NIILNGQKLEAFPLKTGTRQGCP LSPLLFNIVLEVLARAIHQEKEI KGIQLGKEEVKLSLFADDMIVY LENPIVSAQNLLKLISNFSKVS YKINVOQSQAFLYTNNRQTETQ IMSELPFTIASKRIKYLGIQLTRD VKDLFKENYKPLLNEIKEDTKK WKNIPCSWVGRINIMKMAILHK VIYRFNAIPIKLPMTFFTELEKTT LKFTWNQKRARIAKSILSQKNK AGGIMLPDFKLYYKATVTKTA WYWYQNRDIDQWNRTEPSEIT PHIYNILIFDKPEKNKQWGKDS LFNKWCWENWLAIRWKLKLD PFPTPYTKINSRWIKLDNVRPKT
7407	37775	B	7461	1	2633	
7408	37776	A	7462	3	1336	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: In US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
7409	37777	A	7463	2	2458	SWFFEKINKIDRPQARLIKKKRE KNQIDITIKNDKGDITDPTIEQIT IREYYKHL YANKLENLEEMDK FLDTYTL PRLNQEEVESVNRPT GSEIEATINSLPTKKSPGPDGFT AEFYQRYKEELVPFLKLFQPIE KEGILPNSFYEASIIIPKGRDT TKKGNFRPISLMNIDAKILNKIL ANQIQHHIKLHHHDQVGFIP MQGWLEVLARA/IRQEKEIKGI QLGKEEVKLSLFADDMIVYLEN PTVSAQNLLKLISNFSKVSQYKI NVQKSQAFLYTNNRQTESQIMS ELPFTIASKRIKYLGIQLTRDVK DLFKENYKPLNEIKEDTNKW KNIPCSWIGRINIVKMAILPKVI YTFNAIPIKLPMTFFTELEKTTL KFIWKQKRSHIAKSILSQNKKA GDITLPDFKLHYKATVYKTAW YWYQNRDIDQWNTTEPSEIML HIYNHLIFDKPKNKQWGNDS LFNKWCWENWLAICRKLKLD FLTSTYTKINSRWIKDLNVRPKTI KTLLENLGNITQDIGMKDFMS KTPKAVATKAKIDKWDVIKLE SFCTAKETTIRVNRQPTWEKIF ATYSSDKGLISRIYNELKQIYKK KTNNPIKKWAKDMNRHFSKED IYAAKRHMKKCSSLAIREMQI KTTMRYHLTPIRMVIAKSGNN RAPGGRGGCGCSFGRLKRSVCP ALKRVADLPAQRSSSAKGETAS
7410	37778	A	7464	2	2101	
7411	37779	A	7465	196	792	GILSFAKDMNRHFSKEDIYAAK KHMKKCSSLAIREMQIKTTMR YHLTPVRMAIKKSGNNRCWR GCGEIGTLLHCWLCKLVQPL WKSVMRFLRDLELEIPFDPAIL LGIYPNEYKSCCYKDTCTRMFI AALFTIAKTWEPPKCSNMIDWI K/KMWH/IYTRDTMRPKNDEVQ SLVG/TWVNWETTFSVTIAVQK PTRLSH
7412	37780	A	7466	3	610	
7413	37781	A	7467	1	1986	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7414	37782	A	7468	965	4421	TWKGITTSRCKIMPKYRSTRQ KVNKDTQELNSALHQADLIDY RTLHTKSTEYTFSSAPHTYSKI DHILGSKALLSKCKRIEITNYLS DHSIAIKLELRIKNLTQSRSTTW KLNNLLNDYVWHNEMKTEIK MFFETNENKDTTYQNLWDAFK AVCRGKFIALNAYKRKEERSKI DTLTSQLKELEKQEQRHSPSR RQEITKMRAELKEIETQKTLQKI NESSSWFFERINKIDRPLARLIK KKREKNQIDT
7415	37783	A	7469	1	1674	MGQLQRNARDLQESVMSIRM MPMEYVFSRYPRLVRLAGLK GKQVELTLVGSSTELDKSLIERI IDPLTHLVNRNSLDHGIELPEKRL AAGKNSVGNLILSAEHQGGNIC IEVTDDGAGLNRERILAKAASQ GLTVSENMSDDEVAMLIFAPGF STAEQVTDVSGRGVGMDEVVKR NIQKMGGHVEIQSKQVTGTTIRI LLPLTLAILDGMSSLLTHGIGQF ADVACAGPLLAELDALGKAL KEPARPMVAIVGSKSVSTKLTV LDSLSKIADQLIVGGGIANTFIA AQGHVDVGSLYEADLVDEAKR LLTTCNIPVPSDVRVATEFSETA PATLKS VNDVKADEQILDIGDA SAQELAEILKNAKTILWNGPVG VFEFPNFRKGTEIVANAIDSEA FSIAGGGDTLAAIDLFRIADKNS YISTGGGAFLEFVERLTTLTQLL HDQGYVTQAIGKWHMRETTPE QPQNVGFDDFRGFNSVSDMYT AWRDVHVNPEVALSPDRPAYI NQSPLSKDDVHALRGDQQA ADITPKYMA LDLQRC TEYGAQ LLDKMAKSA
7416	37784	A	7470	1	3360	
7417	37785	A	7471	2	543	
7418	37786	A	7472	1387	1805	QAIAFDVQPGRGDYAGNQRHH NQYNQHQAHS*SWQRCIGIGDL ARFARHNATKANKPGETGDR FNHQKNHGGQDPVLHQLIEV MLVGRGGDQAVGQATLGIDTN VGLHAKV/LTDCLSWSDASPD VAALCSWSSWVPQ
7419	37787	A	7473	4088	4228	SPPSA*VKALPGPKHHGGLKPV HPIPGASLVLARRWSMFRRWG LIT
7420	37788	A	7474	332	538	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7421	37789	A	7475	1	1983	
7422	37790	A	7476	856	964	
7423	37791	A	7477	1	1563	
7424	37792	B	7478	1	1086	
7425	37793	A	7479	372	886	
7426	37794	A	7480	2028	2368	RPPGNSLNVSRMGTRSSYSCRR HSPAFLSWKGGRCHLCNK AHL LAGA*HYSFLSGSAPY*N*VNG QI**R*TAHRSTPDAPIGH*NCC S*L*CHSY*QRA*PGYRHD*CR MCC
7427	37795	A	7481	146	402	LGFLRLLEMPRKQGDYRTR/C EIRGRVEQRVGYTIEQINHMED VFDRRYEWDHGPRLIIRPTIRVG PWSQSDYQTDDTSGTVVVD
7428	37796	A	7482	3	149	
7429	37797	A	7483	5	753	ARKVVVAARHKCPA/CISFSA SHRLYRYWEEEMNPAPVEAMR TFQFIDEGNYTSGDTHLTRDP HYVEDKAHKYLVFEANTGTEN GYQGEESLFNKAYYGGGTNFF RKESQKLQQAACKRDAELANG ALGIIHLENNDYTLKKVMKPLITS NTVTDEIERANVFKMNGKWYL FTDSRGSKMTIDGINSNDIYML GYVSNSLTGPYKPLNKTGLVLQ MGLDPNTNIQTDDTSGTVVQT NNQTADTSGTMVVD
7430	37798	C	7484	182	709	
7431	37799	B	7485	1	1488	
7432	37800	A	7486	2	1034	YLIQSRGLIRRSKISLQTSQIER AFLQAPVEER*SMACSK/YSSH DLTFTNFIRFTYNIF*NHASP GIP NLLHLPRGLRAITIAVFGKQNT YIRLEPFKINVLEQITKHIEKLQ G/ECSTTQQAWEQSAHQH HIR H*SCRYPG*ARCQ*VHQARTL* DQRS*ADHEAYRKTAVRRC SQ TTQQAWEQSAHQH HIRH*SCR YPG*ARCQ*L*IIHSHEQ QFQWP VG/CIRCGSVGSLPSSICPLTQ FYGAEPDRKE*QCAPASK WAL LHK*HRFPQDRKAGECLL HEY EDLVPIRDLRLFPGGRYL PRA KHVAPSEPDPTIRVG PWSQSDY QTDDTSGTVVVD
7433	37801	A	7487	2	426	
7434	37802	A	7488	138	346	RWRLQNLSCSSC/SRIWL*RGY VFCSWKPREQSSQSPACSAAC LTLRTQSCCLGTAGQTDDTSGT MVQY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7435	37803	C	7489	1	1290	
7436	37804	A	7490	48	439	HHHSGGLDD/HRRKILNTAYRSR KLQASC*KSAERA WKTASLT VNGWMKKIRCKTPMCRPTVR* SIRILIIITPLPRVPSRS*LKPPTS CT*CIPTQPTRC*KMITCWRCRS TSRKSSGHVCVSPGSVAVTI
7437	37805	A	7491	1126	1340	KARWMLQTRKRAVRRSNWRK RNIWCAPAAICKRSTLTITSF*K PVKMACPFICAMLRRLARRC AGALPN
7438	37806	A	7492	12	960	
7439	37807	A	7493	1	1806	
7440	37808	B	7494	1	1318	
7441	37809	A	7495	1	1385	MLQIPKQQQNEKYQVPQFDQS TIKNIESAKGLDVWDSWPLQN ADGTVAEYNGYHVVFALAGSP KDADDTSIYMFYQKVGDNISIDS WKNAGR VFKDSKFDANDPIL KDQTQEWSSGATFTSDGKIRLF YTDYSGKHYGKQSLTTAQVNV SKSDDTLKINGVEDHKTIFDGE RKTYQNVQQFIDEQNYTSGDN HTLRDPHYQNTYIRLEPFKINVL EQITKHIEKLQCGGVVKQLSRR GNNQHISSTYDINRADTQVRRRA VNNYDIIVMSNSFNGQSEHQV WIDRKAGECLLHEYEDLVPIRD TLRLFPGGRYLPRAKHVAPSEP DPEQDEQKLSCTYRKRYRVL VGELGDEQMAALSRLGNDYRP TSAYERGQRYASLLQNEFAGNI SALADAENISRKIITRCINTAKLP KSVVALFSPGELSARSGDALQ KAF*SASPD RADSSPG*EK RATT D/SRQFGGVDTAGNNLT*NIFRI SQRRNISSKFILQ*ACITLTTFIST CWAIIVTQSG/LMQPSAHPAR QPEHDIAFGKCSSSVSVHLA/LG SGEGATCFARGR*RP PGNSLN VSRMGTRSSYSCRRHSPAFHRS TPDAPTH*NCSS*L*CHSY*QR A*PGYRHD*CRMCC
7442	37810	B	7496	1	3597	
7443	37811	A	7497	1	666	
7444	37812	A	7498	1	738	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7445	37813	A	7499	1	727	MKVLIVESEFLHQDTWVGNAV ERLADALSQNNVTVIKSTSFDD GFALLSSNEAIDCLMFYSQMEH PDEHQNVRLQIGKLHERQLNVP VFLGDRKALAAAMDRDLLEL VDEFAWILEDTADFYRRTAPVA RE*TRYPPGSCWPLF/TAPLMK YS/DIHEYSWAAPGHQGGVGF TKTPAGRFYHDYYGENLFRTD MGIERTSTAVSLDHSAGFGQS EKYAAARVFGADRSWSVVVGT GSRNTI
7446	37814	A	7500	1	744	
7447	37815	A	7501	1	250	
7448	37816	A	7502	1	850	
7449	37817	A	7503	1	1085	GNLAAGKTIQAQDRDAVGILSS RTGESMENLQKNLLPKQRRRT RETFTMSGALDVLQKEEDVLK FLAAGTHLGGTNLDFQMEQYI YKRKSDGIYIINLKRTWEELLR QPRA/MVPIENPAD/VSVISR/N TGQVCQGTVA/VLRLAATGAT PIGGIRFTPGFT/N/QIQASLPGS PRAFLWVT*PPGAEPPLSRAS LC*PFLPLALVNP/SPLRRYV AIPCNNKGAHSVGLMWWM AREV/LRMRTISREHPW/EVM PDLYFYRDP EEIEKEEQAAAEK AVTKEEFQGEWTAPAPEF/TLA TQPEVADWSEGVQGA PLVP/ IQ QFP/ TEDWSAQPATEDWS* A/P LAQATEWVGATTDWS
7450	37818	A	7504	1	1053	
7451	37819	A	7505	2	654	
7452	37820	A	7506	674	805	TLMQKSSIKYWQTESSSTSKSL STMIKWASSL*REIYSTKCPQEK AGKIQN*HPNITIKRTRKARANT FKS*QKARNN*NQSRTEGNRDT KNPSKN**/MPGAGFLKGGTKLI DR*QD**RKKERRIK*/IAIKNDK GDITNPTIEIQTIREYKHLA NKLLENLEEMHKFLDTYTLPRLN QEEVESLNRPTGAIEIVE*SIAY QPKKVQDQMDSQANSTRGTRR NWWYHSF*TIPINKRGNP* TLM QKSSIKYWQTESSSTSKSLSTMI KWASSLGGKAGSIYANQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=-possible nucleotide deletion, \=-possible nucleotide insertion)
7453	37821	A	7507	1	1577	MGDFNTPLSTLDRSMRQKVNK DIQELNSALHQADLIDYRNLHP ESTEYTFPSAPHHYTSKIDHILG SKAPLSKYRSEIKINCLSDHSA IKLELRIKLLTQNRSTTWKLN LLNDYVWHNEMKAEIKMFFE TNENKDTTYQNLWDTLKAVCR GKFIALNAHKRQKERSKIDTLT SQLKELEKQEQTHSKASRRQE SKIRGELKEIETQKTLQKINESR GWFFEKINKIDRLARLIKRR EKNQIHAIKNDKGDMSNHTTE QTTIREYYKHLYANKLENLKEI DKFLETYSPLRLNQEEVESLNR PITGSEIEAIINSLPNKRSPGPDG FTAKFYQRYKEELLISNFSKVS GYKINVQKSQAFLYTNNRQTES QIMSELPFTIASKRMYLGIQPT RDMKDLFKENYKPLLNEIKEDT NKWKNIPCSWVGRINIVKMAIL PKNWKKTTLKFIWNQKRARIA KSLSQTEQSWRHAT*LTQILQ GYNNNSMVLVSKQRYRSMEO NRALRNATY/LQPSDL
7454	37822	A	7508	58	330	FTENDDFQFHPCPYKGHLEIIFY GCIVFHGVYVPHFLNPVYHCW TFGLVPSLCYCE*CRNKHTCAC VFIAA*FIVIWVYTQ*WDGWVK WYF
7455	37823	A	7509	1246	1522	DCLGNAGSFLVPYELGHYGHF HNIDSSYQ*AWMFFHLFVSFFI SLSSGL*FSLKRSFTSLVSWIPR YFILFEAIVNGSSLMWLVSCLL
7456	37824	A	7510	140	577	YSMVYMHIFLIQSIIVGHLGW FQVFAIVNNVTINIRVHVSQ*QH DL*SFQYIPSNWMAAGSNGISSR SLRNRHTVFHNG*TSLSQSHQOC KSPVISPPLQHLFPDFLMIAIL TGVRYLIVVLICISLMA SDDE HFFMCFLLA
7457	37825	A	7511	399	677	NQREQRHNPESLGRIQSSV*RE IYSTKCPQEKAGKIQN*HPNITI KRTRKARANTFKS*QKARNN* NQSRTTEGNRDTKNPSKNQ*IQE LVF
7458	37826	A	7512	1446	1855	IYKLPWAVWVPFS*Y*FFLPMS/G GVFFHLFVSSFMSLSSGL*FSLK RSFTSLVSCIPRYFILSEAVNGS SLMIWLSVCLLVYKNACDFCT LILYPETLLKLSISLRRFWAETM GFSRCTIMSSANRDNLISSFRN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, /-possible nucleotide insertion)
7459	37827	A	7513	1	2982	
7460	37828	A	7514	5202	5430	
7461	37829	A	7515	2	454	
7462	37830	A	7516	2	744	
7463	37831	A	7517	1	2422	MCPILREHRGSTEGRKRQKRLP LELTLKDEEVLAHRQIEIVAKA SPSKGNIIHFGYKGVEYHDQQ DVTSNFLGAMWLISITFLSIGYG DMVPNTYCGKGVCLLTGIMGA GCTALVVAVVARKLELTKA EK HVHNFMMDTQLTKRHCPWAA TIQPKLSFLISLPgcdYRGESAR ARPLSHIPPLQLGLGKDARYLRI CDRSLLCVCAAAGNAGLRPRD SPHTLLHWRSPYFFSPKPVPP QLLGGQPAHRRDDLGEAGV GRGGCCFAALRGVQSEKWSGF HTVPEPAPGQGDVMPIVLVRPT NRTRRLDSTGAGMGPSHHQQQ ESPLPTITHCAGCTTAWSPCSFN SPDMETPLQFQRGFFPEQPPPPP RSSHLHCQQQQSQDKPCPPFA PLPHPHHHPHLAHQQPASGSS PCLRCNSCASSGAPAAAGADNL SLLLRTSPPGAFRTTSSPLSG SSSCCCCSSRRGSQLNVSELTP SSHASALRQQYAQQSAQQAAS ASQYHQCHSLQPAASPTGSLGS LGSGPPLSHHHHHHPAHHQH HQPQARRESNPFEIAMSSCRY NGGVMRPLSNLSASRRNLHEM DSEAQLQPPASVGGGGGASSP SAAAAAAAAVSSSAPEIVVSKP EHNNNSNNLALYGTGGGGSTGG GGGGGSGHGSSSGTKSSKKK NQNIQYKLGHRRALFEKRRKLS
7464	37832	A	7518	1	579	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7465	37833	A	7519	1	1184	MSSANRSILEVPHLDILLQELPG VSKVVTVEVRGNWQRWLKVR DLTKGVTYFFRVQARTITYGPE LQANITAGPAEGSPGSPRDVLV TKSASELTQLWTEGHSDDPTT GYVIEARPSVFGNGSFQVSKEE NQYFSEGLTSIEVPSQQVQOEG AVAMALMVPDEGLWDMFVKD IPRSATSYTLSDKLRQGVTYEF RVVAVNEAGYGEPSPSTAVS AQVEAPFYEEWWFLLVMAISS LIVILLVVFALVLHGQNKKYK NCSTRQISTMEESVTLNNGGF AALELSSRHLNVKSTFSKKNGT RSPRPSPGGLHYSEDEDICNKY NGAVLTESVSLKEKSADASESE VSVGAYFRAVTISPYFCKDAGF AVRTIALGLAETAGSKADARK
7466	37834	A	7520	1	1347	
7467	37835	A	7521	512	1051	MAYCKSTPAVGLRVTV*SLRRL SLICYTFCIGAPSHLSVGSLLIAT SFIVSNRPCRAPYVDITYRLPSP LRLAGHRTLPLKPSFPRRSPPLL YYPSRPPAHYPLSPSSEPNRRY TMALTAVPPYPTSPQLQAFPLH SRIPQLQLFLTNSFTSRTPVEP VQVLEILSQWKATTKWHYG
7468	37836	A	7522	352	546	
7469	37837	A	7523	1	360	
7470	37838	A	7524	3	349	
7471	37839	A	7525	1077	2142	SAVRYSVAITTADRRTAAGAIS YPTK*S*SEPIQEGQPEEQ/RAN YPNGTYPTSLRHLERLWLSAL SVKARF/YHQQYSLKKYRYKHI ADNVQQLWDEVFLRPKEMSDI HKLTFIEKRERLKNVSFKSLHD VRTVEDPSGTQLEVVSNNPWD PKRQLLKWDGKTWGTWDIPD YSAAPPEAVPSLNNPQTFSEQK LDEALYHGAVLRVRPKAMTVA VIIAGLLPILWGTGAGSEVMSRI AAPMIGGMITAPLLSLFIIPAAY KLMWLHRRHLWKCKSARRPQ YQSGYTDDRHSRSVKASPTAG LPSLTHEQQQKAVRIQELMAQ GMSSGQAIALVAEELRANHSGE RVARFDEDE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7472	37840	A	7526	116	191	RLKFTETNLTYNIYVGSIIHLN LEIHMSLH**MDRTNINIRVQIC FCEFKSLVLLDKPGRQELIDDL NKRTDNFLTDSGISVSDWIDAA TWEVFSSLRELELLGIKINRLAS QDLHGVLSSSETVAEDIWCRILD TVTRKGEHSRRIHSAADKSYLR PDLEWFKQRVEDDQSRSGRKI YVKRDLPHILTPFRAPMASVCA KRKGQVLHQYSLKKYRYKHI ADNVQWLVDEVFLRPKEMSDI HKLTFIEKRERLKNVFKSLHD VSEFLGRVLLHATDPAAPRPPA YSLHAIRGKSRGRKNS
7473	37841	A	7527	1	177	
7474	37842	A	7528	1	399	
7475	37843	A	7529	3	209	
7476	37844	A	7530	1	288	
7477	37845	A	7531	2	256	
7478	37846	A	7532	414	1188	TSFLTGGKKGSKKKVVDPFS KKD/WL*YVKHPAMFNIRNIGK DVGSPTQTGTIASIDGLKGRV FEVSLADLQHDVAFRKFKLIT VEDVQGNCLTNFHGMDLTRD KIMCSMVKKWQTMIEAHVD VKTTDGYLLRLFCVGFATKKR NNQIGKPF*AQHHRVRQIGKK MMEIMTREVQTNDLKEVVNKL IPDSIGKDIEKACQSIYPLHDVF VRKVKMLKKPKFELGKLMELH GEGSSSGKATGDETGAKVERA
7479	37847	A	7533	1	1140	
7480	37848	A	7534	131	410	
7481	37849	A	7535	1	861	
7482	37850	A	7536	1	406	MWEILELPRDLLNGFAQNADS NMDNKVQAEVALDNGNELVG YYSKASAGDTQANRVWSGPPA NSNRPAEGERNTININKKIDIN TKTPSVGHRHRQRPVKDTTKT R/KTRAELKILKTRVPLIFQRT AALRQR
7483	37851	A	7537	1366	1629	TQSPVQTKPTPITTRGGGFLPTQ PFPVILQRQFCPE*LVAFMGS*E DVP*GSFRVSAESSIL*RAP*GA QSTCKPVNRNEKISKRIHV
7484	37852	A	7538	502	648	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/546,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *Stop codon, /-possible nucleotide deletion, vpossible nucleotide insertion)
7485	37853	A	7539	I	1169	PPLLIPRQTGSGVDLQQTPTDLQ LRVLTVRRKTNKQKGPHQNSI CTSPSSKTKDFKPTKIKRDKEG HYIMVKGSIQEEELTILNIYTPN TGAPRFIKQVLRDLQRDLDSHT IIVGDFNTPLSTLDSKRQK VDK DIQELNSALYQADLTDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKCNRTETITNCLSDHS AIRLELRIKKLTENRSTTWKLN NLLKDYVWHNEMKAEIKMFF ETNENKDTTYQNLWDTGKAAC RGFIATNAHKRNQKRSKMDTL TSQLEKEKQEQRHKSASRRNL QEEVESLNKPRTGSEIEAIINSLP TKKSPGADGFTAIFYQRYKEE/ PGTIPSETIPINRKRGNTP*LIL*G QHHPDTKA
7486	37854	A	7540	I	404	MDEFNLNTYTLPRNLQEEVESLN RPITGSEIVAIINSLPRKKSPPGD GFTAIFYQRYKEELVPFLKLF QSIEKEGILPNSFYEAISILIPKPG RDTTIKENFRPISLNMIDAKILN KIILANRIQQHIKLIHHDQVGF PGMQGWFNIRKSINVIQHINRT KDKNHMIISTDAEKAADKIQQP FMLKTLKFGIDGTYLKIRIKYL GIQLTRDVKDLFKENYKPLLNE IKEDTKWKNIPCSWVGRINIM KMAILPKVIYRFNAIPKLPMTF LTELEKTTLKFIWNQKRARIK SILSQKNKAGGITLPDFKLYYK ATVTKTAWYWKQRDIHQWN TTEPSEITPHIYNHIFDKPEKNK QWGDLSLFNKWCWENWLAIW RKLLKDPFLTPYTKINSRWIKD LNVRPKTIKLEENLGITIQDIG MGKDFMSKTPKAMATKAKIDK WDLIKLSFCTAKETTIRVNRQ PTKWEKIFTTSSDKGLISRIYN ELKQIYKKKSDNPIKKVVKDM NRHFSKEDIYAAKKHMKKCS SLAIREMQIKTTMRYHLTPPSLL IPRQTGSGVDLQQTPTDLQLKV LTVRRKTNKQKVHPPHONPICS PSSKTKELEKQEQTSHKASRRQ EITKIRAELEKETQKNLQKINES RSWFLEKVNKIDRLRLARLIK REKDQIDAINKDGDITDPTET QATIREHYKHLKYANKLENLEE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7487	37855	A	7541	3	1284	SAADTQANRVWSVPPTNSNRP AAEGPDC*KEN*QKGHPHQNP CQSPSSK\PKVDKTTKMGKKQN RKTGNSKNQSTSPPPQEHSSPA MEQRITNAEKYLKDLMLKTT AQELHDECTSLSSPFDQLEERV SVMEDQMNMKREKFKREKRI KRNEQSLKEIWDYVKRPNPLPI GVPESDRENGNKLENTLQDIIQ ENFPNLRHANIQIQEIQRMPQ RYSSKRA\TPRYIIVRFTKVEMK EKMLRAARDKSLVTHKGKLIJR LTAGKFIALIAHKGNQERSKIDT LTSQKLEKQEQTHSKPSRRQ EITKIRAEKKEITQTTLQKINES RSWFFEKINKIDRLARLIKKKR EKNQIDAINKDKGDITDPTIEI TTIREYYKHHYANKLENLKEM NKFLDYTLPLRKQEEVELSNR PIKALKLRQ
7488	37856	A	7542	1	1082	MLSSVGLLTHRRKKKSTDTIN DESLNKERDMTGNPHIFPYQE IWQVFVSSGNNYITATGPTAV PPLLIPRQTGSGVDLQQTPTDLQ LRL\TVGRKTNKQKGHPHQNP CTSPSSKTKEIRTIREYYKHL YANKLENLEEMDKF/H*HIHPPKT KPGRS*ISA*TNNRL*N*GNN** LTNQKKSRTRWIHSRILPEVQ GADKQRAKHE*TPHNCFKENK IPRNPTYKEHEGPLQGELQTTS QGNKRGYKQM/DRTFHAHG*E ESIS*KWPYCPR*FIDSPSSSYQ *LSSQNGKNYFKVHMEPKKSP YCQVNPKPKEQSWRHHA*LQ TILQGSYNQNSMVLVPKQRYRP MEQSPQK
7489	37857	A	7543	1	2012	MNLSRHLNEVKGELLWSLEWR DPDGGSSIRMEVGLGGWTQRLE EEKKGNVCSHGNLEKDFPYIPH LFGLQKQKMDLKGVFKSCFKI YCSSKHLLKTGFISEAVLCYGE GGEGDVT\TMKERWPHECIVLI QC�KGR\TPHTARYSSETKLPE ERSGSSICGSPISAVLQPPLLIPR QTGSGVDLQQTPTNLQLRVLT VRRKTNKQKGHPHQPKMSPS SKTKDFKPTKIKRDKEGHYIMV KGSIQQEELTILNIY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7490	37858	A	7544	402	675	QGYPGTELSAPSGPNRHLQNF PQINRIYILLSTTSHLFQN*PHS WK*STPQQM*KRRNYKNQNIL ELRIKKQTQNRSTTWKLNLL NDY
7491	37859	A	7545	21	428	DKTSRGRTIRQQHLFTNIRCSAA SAADTQANRVWSGPPANSRDP AAEGPDC*KEN*QTERSTSPKS HLYVTIHKDQRNKIPKNPTYKG CEGPLQGELOTTAQONKRRYK QMGEHMLMGRKNQYHENGH TAQGNL
7492	37860	B	7546	1	1650	
7493	37861	A	7547	1	946	MAMPPLIPRQTGSGVDHQQTP TDPQLRLTVRRKTNTQKGIPIH QNPNCSTPSSKTKELKEEVGTQ RKEVKNLEKRLDEWLTRIANA EKSLKDLMLQKTMAQELQLDK TTLNFIWNQKACIAKTILSKK NKAGGIRLPDFKLYYKATVTKT AWYWHQNRVIDQWNRTEASEI MPHIYNHLIFDKPDKKKQWGN DSL/K*MVLGKLASHMQKTEI GPLPYNFYKN*LKMD*RLKGG T*NHRNHRKPKQYHSGHRHG QRLHD*NTKSNNGKGN*QMG SN*TKELL/RQKKLPSE*TRNL QNGRKFVQSIYLTGG
7494	37862	A	7548	189	380	QTERSTQNPICSTPSSKTKGR* NHKDGEKTEQKNWKL*KAERL SSSKGMQLLSNGTKLDGE
7495	37863	C	7549	1	2805	
7496	37864	A	7550	535	696	
7497	37865	A	7551	214	363	LLEGKLTNRKE*HQHQKQGH HQNPICTSPSSKTKVT*NHKDG EKT*QKS
7498	37866	A	7552	787	1056	GQKKKLMIGINSRNHHGPQ*P ALQKMPAS*VTEIMNNHFLFCF RKKGRIKLVNSRVEHQAGSW GPWFQSLVAGQYFWTCSPDGP SPLP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7499	37867	A	7553	1	4560	MKHTLIPRIKNAQLQMSSLAVP VNSLVCLGKILEYLDKWLVL D GILPFLQIPSKESA VLMGILGIY KCTFTHKLGITKEQLTGKVLPH LIPLSIENNLNQFNSFISIKEML NRLESEHKTKLEQLHIMQEQQK SLDIGNQMVNSEE:TKVTNIGNQ QIDKVFSHIGADLLTGSDSENK EDGALNVPPAGAKPTQQRPTD MSALNNLFGPPQPKVSMNQLS QOKPNQWLNQFVPPQVSPATG SSVMGTQMNMIQG
7500	37868	C	7554	1	1359	
7501	37869	A	7555	272	915	YPGKQGLEWTSKKLQQTCC*GS *LLEGKRTNRKDINTKNPSVRH HHQRPKMGKEKTEQKNRKLKIR APLLLRNTAPH/HAMEQSWM ENDFDELREEGFRRSNYSELKE EVRTNAKEVKNFEEKLDEWIT RITNAEKSLKDLMEKTTA:EN YVTNAQAPVANATN*KKGYQR WKT*K*MK*SEKRSLEKKE*KEK KQSLQEIWDYVKRPNCLIGVP
7502	37870	A	7556	196	494	HTDGVSVVWMSFLFVSFSPNSQD PQLQVCWSLLEVHSRPLPGYQ QQRIRLEPFKINV/T*ADHEAYR KTAVRRCSQTTQQAWEQSAHQ QHIRH*SCRYPG
7503	37871	B	7557	28	303	
7504	37872	A	7558	1216	1863	HPDITIKRTREARANTFKS*QKA RNN*DERRTEGNRDTKNPSKKS VN/RRSWFFEFKNKIDRRLARLI KKKREKNQIDA:KNDKRDITTD PTEIQTIREHYKHLKYANKLEN LEEMDKFLDITYLPRLNQEEVE SLNRPTGSEIEA:INSLPTKKSP GPDGLTAKFYQRYKEE/PGTIPS ETIPINRKRGNPP*LIL*GLHHPD TKAWQRHYKKREF
7505	37873	A	7559	166	785	FRATSAADTQANRVWSGPPAN SNRSAEDPDC*KEN*PTKGGHP HQNPICTSPSSKTKARQANIQIQ EIQRMPQRYSSRRATPRCIIVRF TKVEMKEKMLRAAREKGGVVT HKGNPIRLTADLLVKTLQARRE WGPINILKEKNFQPRISYPAKL SFISEGEIKSFTDKQMLRDFGTT RPALKELLKEALNMERNNQYQ PLQKHVRL
7506	37874	A	7560	1	1164	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7507	37875	A	7561	770	2670	RRARCSCAPSSSTTLGRTGPSLA RRRACPSSAGRSRW*ARTTPR GGRPSESGTPTTFEPASSPPGRSR RDFQEGQSWVRGWQL/WTSTV GCSPHIFWCVDCECTDCEGYLK GHYVAGLRRSFRLLGCRERLGG QEGKMSSGAESPELLTYEEVAR YQHOPGERPRLVVLIGSLGARL HELKQKVVAENPQHFGVAVPR APWDVKLQWAEDPGSECDKE DEEEENEGARFLEHGEYKENLY GTSLEAIQAVMAKNKVCVLDV EPEALKQLRTSEFKPYIIFVKPAI QEKRRTPPMSPACEDTAAPFDE QQQEMAASAAFIIDRHYGHLVD AVLVKEDLQGAYSQKVVLEK LSKDTHTWPLVIPRQTGSGVDL QQTPTDLQLRVLTVRRKTKKQ KGHPHQNTCTSPSSKTKVGER VSVIEDQMKEMKREKKFREKR VKRNEQSLQEIWDYVVRPNLR LIGVPESDGENGTKLENTLQDI MRENFPNRRARQANIQIEIQRM PQRYSSRRATPRHIIIRFTKVEM KEKMLRAAREKGWVTHKGKPI RLTADLLAETLQARREWEPIFNI LKGNFQPRISYPAKLNFISEGE IKSFTDKQMLRDFVITRPAQL LKEALNLERNNWYQPLQKHAK
7508	37876	A	7562	181	690	OHAIVTGDVGMDDIPQEARQ YRHNQAYAYSIGDGAEDDDE RIVRFHTRCLNGRVLL*DK/IF RNDQAATFAAHQYPLFCSLHC* YPGTQGLEWTSSKHQQTCS*GS *LLWPGDERLWPSWEEQKLS LPTDPDTWL*GSPQAAQGPRCV PPGAQPLSSVTASLCHCA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7509	37877	A	7563	2	2233	SSENILTVHEQANVESLKETKQ NCKDLDEDANGITDEGKEINEK SSQLKNLSELQDTSIQHDEEE STVISVSEDMNSEGNVDFECDT KLYTFLSSDESQQSENSENEED TLCFVENSQGRESLSGDTGSL CDNALFVIDTTPGMSADKNFY EEEDKASEVAIEEEKEEEDEKS EEDSSDHDENEDEFSDEEDFLN STKAKLGRLLTPHMAGYSSETKL PEERPGSNICCSPISAVLQPPLLI PRQTGSGVDLQQTPTDLQLRVL TVIKKTNKQKGHPHQPCTSP SSKTKDRSTRQKVNKDQIELNS ALHQADLIDYRTLHPKSTEYTF FAAPHCTYSKIDHIVGSKALLS KCKRTEHTNCLLDHSAIKLELRI KKFTQNCSTTWKLNLLNDY WAHNEIKAIEKMFETNENKDT TYQNFWDTFKAVCRGKFIALN AHKRKQERSKIDTLTSQLEKE KQEQTHSKASRRQETKITAEL KEIETQKTLQKINESRSWFFEKI NKIETASKTNKKREKNPIDAIK NDKGDITTNPTIEIQTITREYYKH LYANKLENLEEMNKFLDTNTIP RLNQEEVESLNRPTGSEIAIIN SLPTKKSPGPHGFTARFYQEQYK EE/PGTIPSETIPINRKRGNPP*LI L*GQHHPDTKAWQRHNKKREF *TNIPDDHQCCKNPQ*NTGKPNP AAHQEAYPP*SSGLHPWDARL
7510	37878	A	7564	3	377	DHNCATVLQPG*QSEIL*KEERE REREKKERKKERKKERKKERK KEGKQ*RGGRKKERKEKEIK KERRKGKKEKKEEKRRKERK KERERKKRRKEGRKKEYTRKA KRIHRPFEGNGSPLPAP
7511	37879	B	7565	1	834	
7512	37880	B	7566	1	915	
7513	37881	B	7567	1	666	
7514	37882	A	7568	330	793	SCWLCPGPCCPAQPQNTAPFIPE A*TPAMAERGPATAAGQLEFT GGALQTLFAWVSAAAAAEQWI LVNRKCCCLIVPLEVLSQRSTW PCIGLVMPVLPGLLRDIVHSDSI ASHYGVLLALYALMQFLCAPV LGALSDRFGRRLPGLLASLLGAT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7515	37883	A	7569	991	1842	IQCHPHQATKNFLHRIGKNYFK VHMEPKKGPCHQVNPKEQS WRYVKQSKKIAVYAERSRCS GTEFAGTLILDFFSSRTAPSSRG R/P/GRLTRPGTPLRQSFQNDQ AATFAVQQYSLFCSLCC*YPGK QGLEWTSSKLQ/QYQLRERSS SPATEQSWMENDFDELREGFR RSNYSKLKEEVQTHCKEAKNL EKRLDEWITRITNVEKSLNDLM ELKNMAKELRDERTSFSSEFNQ LEERSVNIENQMNMKREEKFR EKRVKRNEQSLQEIWDYVKRP
7516	37884	B	7570	1	2448	
7517	37885	B	7571	2379	4476	
7518	37886	A	7572	1	570	
7519	37887	A	7573	1	1404	
7520	37888	A	7574	1	474	
7521	37889	A	7575	746	1215	PNINRFLKHYREPVPKKRERNY STLWPLCPSTLNKIYTIMSYLSP ATKEYPPFLLLLFQEC*AE*LLA LAVSQPLLSTTNCLKN*MVTW NGSLIPWSPCKINLTP*/PAVVL QNRRALDLLTAESGGTFLFLEE KCCCYVNQSGIITEKVKIEQGRI
7522	37890	A	7576	1	1178	MPESPTLLGRDILAKAGAIHL NIGEGTPVCCPLLKEGINPEVW ATEGQYGRAKNAHPVQVKLK DSASFYQRYPLRPEAQQLGQ KIVKDLKVQGLVKTCSNCPDTP ILGVQKPNGQWRLVQDLRIIDE AIVPLYPVNPYTLSSQIPEEA ELFTVLCLKDAFFCIPVHPESQF LFAFEDPSIPMSQLTWTVLPGQ FRDSPHLFHHTLAQDLSQFSYL DTLVLCPLRNQEQECHQATQV LLNVLATCGYKVSQKQAQLCS QQVKYLGVKLSKGTRAL/QQ*R TDRT*LSTSNCSNLRHSRGPSRG SLD*SQQLVY*WKFFCRKRTS KRGVCSGQ**WNT*KKSPHSRN *CSAGGTNSPPSGTRIIRRRKKGL IRIYMLPLILSAPYDHLH
7523	37891	A	7577	1	1338	
7524	37892	C	7578	109	231	
7525	37893	A	7579	279	346	LLRLALLQ*QKEEWVLFCCGA
7526	37894	A	7580	260	393	VEVVILMPVVPNLPSIPARITKG RMGTLLRLRLGTT*LYKSCSV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /possible nucleotide deletion, v=possible nucleotide insertion)
7527	37895	A	7581	3	2677	TKETCFIRGPKTPVPVTDWEGS LPLVFNHCRDTSVIIHPRFKGVR PRRDACLGPSPLAASPAFLGKG QAE LGPNSSSASAPPPYNLFIA PPHTWSGLQFRSVTSPPPAQQF TLKKVAGAKGIVKRLKTDAR SPWKTPRSPRTSPFRKAERTKG LLKIHLLTKLSHQLKKDWITLLP LSLLRIQACPRNATRLATGQLG YPFISQSYVLVNGFQTVEDLCE AADLRVSVADLRVSVTALKVA RLELFVPPGGLVVSASAVKLQ TFAVLQLIAKRWWDWGTLEQG AALIGEARDQAQTEGVGGSG MAGCRSRDLPRGKAARREI ERSAGLTIKKERCIRNGYSKEK MKLIVVSHGLHVNDLQHKLT FTKETYYTLARDSEKQKQGYL AGLEGAHANRVNQISDNLVV KTGALPPPYRTKGEKLYFYMSR QNCLFSVSGQLLQGFPPNGGQA APNPYALLSQIPEEAEWFTVLD LKDDFFCIPVHPDSQFFAFEDP SNPTSQLTWTVLPQGFRIHLFG QALAQDLSQFSYLDLTVLCGVL KSPIIIVWELNQIDTIKNDKGDIT TDPTEIQTITIREYYKHLTYNKL NLEEMDKFLNTYTLPRLNQEEV ESLNRPTGAIEAIIINSLPTKKS PGPDGTAEFYQRVADVRLREE KDNEMLLVPLSDLLYQVHAIP QLPEVLAANSPTCHLDPPTITES
7528	37896	A	7582	1	459	MAVRYTDENVLRKGTREAGT MMRLRGTTTECCADFAAWDVT HDALRATGGELPGAQVMLTTT ECGRHVD FCDRAVWLPRMWG YPLALPGEMRKLYTVRMAGRD ILAKAGAIHNLNIGEGTPVRCP L/EGINPEVWKTEGGYRQAKNA RPVQVKL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * =Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7529	37897	A	7583	3	910	YFSQPLSYDWGALFFSHAFILM LESPTTLLGRDILAKAGAIHLNI GEGTPVCCPLLEEGINPEVWAT EGQYGRAKINARPVQVKLKDS ASFPYQRQYPLRPEA/LTKGFQ KIVKDLKAQGLVKPCNSPCSTPI LGVQKPNGQWRLVQDLRIIDE AIVPLYPAPNPYTLLSQIPEEA ELFTVLDLKDAFFCIPVHPESQF LFAFEDPSIPMSQLTWTVLPGQ FRDSPHLFHHTLAQDLSQFSYL DTLVLCPLRNRQQECHQATQV LLNVLATCGYKVSQKQAQLCS QQVKYLGVKLSKGTRAL
7530	37898	A	7584	158	1272	NPAARTPFVVIKKGKGRGRDIL AKAGAIHLNIG/GTPVCCPLLE EGINLEDWATEGQYGRAKNAR PVQVKLKDSASFPHQRQYPLRP EAQQGLQKIKDLKAQGLVKAC NSPYNNPTLGVQKPSGQWRLV QDLRIINEVTPLYLAVPNPYIL LSQIPEEAWEFTDLDLKDAFFCI PVHPDSQFLFAFEDPSNPMSQL TWTVSPQGRDSPHLFGQALA QDLSRFSYLGTLVLWPCIS/LCT *TMEQLQHRNKHHRFSRTSCF QSGNNPYLKPHLCKI*QYCRHN QLPMHQCPHDHLH*TRFI/PIML YLSPTTKEYSFFLLSEQEC*VD *VLALAVPOPLLSSTTNYLKNS MVTWNGLPPTWSPCKINLTS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, v=possible nucleotide insertion)
7531	37899	A	7585	1	2083	MPLLLQMIATPLQQSLISTEDEM DELTEVGFERWVITNFTTEEPSA LGFTPEHKGNGVHAGKGPLESS SPDPFLCGQEKQKAGLLHRQ YPLRLKQGLKIVKDLKAQ GLVTPCSSPCNTPTLA VQKPNG QWRLVQDLRIINEAVVPLYPAV PNPYILLSQIPEEAEWFTVLDLK DAFFCIPVHPDSQFLFAFEDPSN PMSQLTWTVLPQGFRLSLHLFG QALAQDLSQFSYLDLTVLQYM DLLLLVTHSETLCHQATQALFN FLATCGYMYSKPKAQLCSQQ/R YLGKLKSGTRALSEEHIPIIA YPHPKTLKQLRGFLGVIGFCRK WIPRYGEIARSLNTLIKETQKAN THLVRWTTVEVAFQALTQAP VLSLPTGQDFCSYVTEKTGIAL GVLTQIRGMSLQPV AHLTK EID VVAKG*PHCLRVVVAVAVLVS EAVKIIQGRDLTVWTS HDVNGI I.TAKGDLWLSNDCLLKCAQLL LEGPVLR LCTCATLNPA TFLPD NEEKIKHNCQQVISQTYATR GD LLEVPLTDPDNLNLYTDGSSFVE KGLRKVG YAVVSDNGILESNPL TPGTS AQLAELIALTWALELGE EK RANIY TDSKYAYLV LHAHA AIWKEREFLTSE RTPIKHQEAIR KLLLA VQKPREVA V LHCGRHH K GKEREIQENCQAYIEAKRAAR
7532	37900	A	7586	80	678	LCCNMPAAQHRERASNESRHG GCCPP/PWLLSS/APPHDAFTTPQ EAVLSAPSALPSSAATSLLSLT PQQMFCSKTAGPKFSSNPPIPR LKAPTSSC/PL*PQAAPSGNAHC Y*GHRRGRTVPEDPGCLSPRAR PHRTSGTSSPPLQPSRTIPPASS APKQGDAGSPPYQAVPEKNKP GATPRTCAESP KRLPRPGPKSFL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *Stop codon, /possible nucleotide deletion, Vpossible nucleotide insertion)
7533	37901	A	7587	3	804	GLLQATALQPAQI*IFL*KKEE EEEEGGGEGEEKKKKKKTEEE EEEEERKK/EEEEGEEEEEEEE EEEEKEERTGAGDSSEDEGFDEI PSPGDSRQKTEGNAANIISGCD QRYEESMDLGRGIVSGHRYI FTRVSPLEAIGELLFPFSVAPA QGGGLGRRVDQLALPMGAQSL ERPFCVDGGSRRPLNYAVSSVE DLLNGNNFKCPTTLRTIEITVGN LIISPRQKQLNANIGKNFNAAEN HENAKTTTTSSTVGDATHLTA
7534	37902	A	7588	3	191	SSHPVFSRWWLSPHQSQCYT* GSGAQNLTAASPPFCVCRGDRGN HLRKDTKVEVKRKTCLW
7535	37903	A	7589	1	1899	HVGASDPDAGPGWGLTSRPR LVTPRSAPRGRFQGATVGLAP VEGMCRAESSGGVSTDHSELPI GAAATMAHEIGHSLGSHDPD GCCVEAAAESGGCVMAAAT/G VRGWGVGAAAGRLVLGTSSA AFLWSSLFLCKMGIMIIVSAS GWFMRLLKGGKLRQSGFTV*R LFSE*PGEVTPTPGGAPSGRST LGPGLLTIGASSSPVPLVV*LCA GYFPSLGSARLAAVAKPRGGD QRSAGVGGSLSHAQCPPRAGR HPFPRVFSACSRRLRAFFRKG GGACLSNAPDGPLVPVPPALCGN GFVEAGEECYCVS/GQECRDLC CFAHNCSLRPGAQCAHGDCCV RCLLKPGALCRQAMGDCDLP EFTGTSSHCPDVPVLLDGSPC ARGSGYCWGACPTLEQQCQ LWGPESHAPAEAFQVVSAG DAHNGCGQDSEGHFLPCAGRD ALCGKLQCGGKPSLLAPHMV PVDSTVHLDGQEVTCRGLAL PSAQLDLLGLLVEPGTQCQPR MVCNSNHNCHCAPGWAPPFCD KPGFGGSMDSGPVQAENHDTF LLAMLLSVLLPLLPAGLAWC CYRLPGAHLQRCSWGCRQGPC VQWPQRWPTQGPVPPGRRSPHG VGPHSHWTALAPGP
7536	37904	A	7590	2	280	
7537	37905	A	7591	1	1266	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=/possible nucleotide insertion)
7538	37906	A	7592	1	458	LQSQSFIHISQKTIKKCLDLFLFLAEKENYKNFFFAFSKNLAKLGIHEDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYYITGSPCWCLVFFSLSCPCVEGSKLRVSSPIPSLLLTAGLDVVYCGLFYFLHFVCLKLYAK
7539	37907	A	7593	1	862	
7540	37908	A	7594	3	437	IPEF/LNF/IRGVVTLGLPLNISREMLQSKILKVIKKNIV*EC/LFELLSLEAEDKENYKFFYEAFSKNLKLGIEDSTNRRRLSELLRYHTSQSGDEMTSLSEYVSRMKETQKSIYYITGESKEQVANSAFVERVPLSHLAPPAGV
7541	37909	B	7595	106	1966	
7542	37910	A	7596	453	719	ARGSKHTGLIAQWAHEQSGHGRAGGYAWAQHGLPLTKADLPAMATAECPIQQRPTLSPRYGTIPW/WAWDAPGGRGCWRLQKAGE
7543	37911	A	7597	3	837	PECVIGIDILSSWQNPHTGLTRVRAIMVGGAKWKPLELPLPRKIVNQKQYHILGGTVEISATIKDLKDTEAVTPTTSPFNSPIWPVQKTDGSRWMTVDYCKLNQVVTPIAAAVPDV/VSLLEQINTSPGTWFEWSPK/KALQQVQAAVQAA LPFGPYDPADPMVLEVSVADRDAIWSLWNAIGESQRRPLGFWSKALLSSADNYSFPERQLLASYWALVETERLTVGHQVTLRPELPIMNWVLSDPSSHKVSQAQQRSIIKCLKWYIHDWVRAGPEGT
7544	37912	A	7598	1	399	
7545	37913	A	7599	126	392	ARGSKHTGLIAQWAHEQSGHGRAGGYAWAQHGLPLTKADLPAMATAECPIQQRPTLSPRYGTIPW/WAWDAPGGRGCWRLQKAGE
7546	37914	A	7600	1	1677	
7547	37915	C	7601	37	465	
7548	37916	B	7602	1805	2542	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7549	37917	A	7603	3	865	VIPTTISQNFPIWPVQKTDGSGWRMTVDYCKLNQEENFNQVDRMTHSVDTTQPLSPA THVITQWAHEQSGHGGRRDGGYTRVQQHGLPLTKADLATAGKVFQKAV*ALN*HSIYGTLSLIARIHRSRNQGV EVEVAPLTISPDPAPAKFLLPVPPTLRSGALEFLVPEEGMLPSGDTTVPLNWKRLRPPGHFGLLFPLHQQANKGRLSPHSRERGTSVFASSNSQPVTALNNEPAGPNKRDI GKAKGLKFHHPGPHRQERDMLE/SML*PWGYPVGKQWNHLIKKQGRH
7550	37918	A	7604	3	857	VTASLSPVVATSPQPMPLPSDFPLSEINPMLEATVIASPKIARQDNVDSQEPPTTPQFSSRPITRLKSQWAPRGPECVIGIDILSSWQNPHIGSLTGRVREGYMVGKAKWKPLELPLPRKIVNQKQYCIPGEIAEISTTIRDLKDTGVVIPTTSPFNSSIWPVQKTDGSGWRMTVDYCKLDQVVTPIAAVPMVSLVKQINTSPGTWQHITHLDVLLWRIYQVTQKAASFEGWQEKEALQQVQAQVQALCHLGHMTQQIQWCLRRNGEMCDYILYGL
7551	37919	A	7605	1	608	MAPGMVPIPPPGKYHSPGKLIYSTPPKPGTYGISDSLSQYPTSAKAEPVPPTHKNPRRESPIHSSPSSFDG/PSNPSFGDARPHQNKTSGRGRPAPRQVRPTTTTTPAPPARSPNSAHSPAFRDLPFRAEKGTAARVPREPHSPAPPKNGSLQPPAGELLQRGARTTLPRILGTAPGPHLPGCSAPPAP*RPAAPIGL
7552	37920	A	7606	179	544	HTRLHSHQPLRGFPWSLHFSVIRSPASGHLEFPFARSSGSGSTPLSFGAMITTEKQALGGRAAFPPKYK*AQGAAACFVLTSQQQPSWQ*GVTVTATGSPMHRGTFWH SCTGTPGSGDR
7553	37921	A	7607	90	653	VPGERPRGSGSPQVLPYGPTWCSSNTPEPQSLRAPQ*LQVPPVLQSRGQR*QPQMP/VRSPKAP*VQMPPTPSSAKGPHLDGVRVPAANPE*PTAGPTRAAILRATPAPSLPMPTGNRPSRGNLSQDSAPASDAGWPPTEAVTCTP/PWSRENPPQRNL*AHPRQGRPVPGTERRNGRGAGCRL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 59/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7554	37922	A	7608	1	804	
7555	37923	A	7609	28	682	TTCEMSDLEDDDETQLSAHG/T LAALQEFYAEQKQIEPGEDDK YNIGIIEENWQLSQFWYSQETA LQLAQEAIAAVGEGGRIACVGS P*CLPET/HESCAEKTFSIYFEY DKRFAME*KEILIFYDYNPLD LPERIAAHSFDIVIAADFPFYL ECLRKTSSETVQVLTGRKILL/CT GAHHGRTGSRTPLE*RCARLFP RHRTRNGKWSFRLVYVNL
7556	37924	A	7610	1	611	MAPKAKMEAPAPPEAEAKVKA LKAKKVVLLKGVHSH/KKKKKKI RTSPTR*/PLRLRRQPKYPWES VPRRTSTQISSGERPLENKQPRY PRESSPPPGEQAPKYVPEERSPG ETRLDHLCLSIKFP/LTH*VLP MKIEDNNTLVPLVNVKANKH QIKQAVKKLYDI/DVAKVNTLI RPDGEKNGICSDLAPDYDALG CLPTKFGII
7557	37925	A	7611	1	1035	DKDSLDCSCKTSCSYNCSKPRS SWQDQDISSGTGLHSRLTANT GKESKTVQASLDQQLGRLLSVS LRLGVPEPSLQSSGNLLVSLLSR FITYKVTIVEWVKTYALGLDLK KSERPGFESELHSHNSCECAVS HLKPVHLRVSPMGHSEYYLV TADYSEANGSQSAGDEFFQTQS FPSRQQALFRPKIQITIREYYKH LYANKLENLEEMDKFLNTCTL QRLNQEEVESLNRPIGTSEIEAI NSLPTKKRPGPDGFTAKFNQRY KEELVIYKKFQIPCIPELNSTIS ANSTNADTCTPKYVTFNSKGT AQNADSDSAGLE/CEPDVLIH** SLRLGVPEPSLQSSGNLLVSLLS RFITYKVTIVEWVKTYALGLDL KKSERPGFESELHSHNSCECAV SHLKPVHLRVSPMGHSEYYLV TTADYSEANGSQSAGDEFFQTQ SFPSRQQALFRPKIQITIREYYK HLYANKLENLEEMDKFLNTCT LQRLNQEEVESLNRPIGTSEIEAI INSLPTKKRPGPDGFTAKFNQRY YKEELVIYKKFQIPCIPELNSTI SANSTNADTCTPKYVTFNSKGT AQNADSDSAGLEWSLMFCISD KVSDDDDADA VDS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7558	37926	A	7612	3	573	KEETFSAWYVDGRVLVVIVTF GIILPLCLLKNLGYLGVTSGFSL SCMVFLIVVIYKKFQIPCIPEL NSTISANSTNADTCTPKYVTFN SKTVYALPTIAFAFVCHPSVLPI YSELKDPSPQKKMQMVSNISFF AMFVMYFLTAFGYLTFYDNV QSDLLHKYQSKDDILITVRLA VIVAVILTVPLV
7559	37927	A	7613	1	831	MSELEDRLFENTQSEESKGKRI KKNEVCLQDLKYSCLKRANLRD TGLKEEVIYKKFQIPCIPELNS TISANSTNADTCTPKYVTFNSK KKMQMVSNISFFAMFVMYFLT AIFGYLTFYDNVQSDLLHKYQS KDDILITVRLAVIVAVILTVPV LFFTVRSSLFELGLRKQRFNLW PSIPVVTICILLVVINLVGDLHTP P*RIFFGVVGSYILLNMLIFILP/S IFFILKITDQDQDKGTQRIWAAL FLGLGVLFSLVSIPLVIYDWACS SSSDEGH
7560	37928	A	7614	1	1118	FNCEIFYF/SYGDEEISKTALN ERRGEIKIRKLDFEKIVSYQVDI KASDGAAGLSGKCTVIIQVVDIN DNAPELTMASFTSPIRENSPETV AALFSIQDRDS/FALRSLDYEAL QEFEFVRGASDPGF/PALSSEAL VRVLVLDANDSSLFVLPPLQN GSAPECTEL/IPGRAAEPGYLVTK QLLKATEPGLFGVVAHNGEVR TARLLSERDATKHRLVVLVKD NGEPPRSATATLHVLLVDGFSQ PYLPLPEAAPAQAEADLLTV YLVVALASVSSLFLLSVLLFVA VRLCRRSRAASVGRCSVPEGP PGHLVDVSDTRTLQRYKYEVF LTRGSGTNEFKFLKSVIP/QASG RCE*WEEKSNFVNGFGFN
7561	37929	A	7615	1	764	TRPGAHGASLTDLANLSEGVSL AERGSFGAMDDPFKNKALLFS NNTQELHPDPFQTEDPFKSDPF KGADPFKGDPPFQNDPFAEQQT STDPPGGDPFKESDPFRGSATD DFFKKQTKNDPFTSDPFTKNPS LPSKLPFESSDPFSSSVSSKGS DPFGTLDPPFGSGSFNSAEGFAD FSQMS/KGKSTPVSQLGSADFPE APDPFQPLGADSGDPFQSKKGF GDPFSGKDPFVPSSAAKPSKAS ASGFADFTSVS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
7562	37930	A	7616	1	817	MGFCHVQASLKLLASDPFGT LDPFSGSGFNSAEGFADFQMS KTDPPQRSELKVGTAARLVTR LDPLVSGPHVTR*PELTVLVDP SCRASPDAGSVVGAHL*GLGTT GAADGGTPNSNRSFVLGVIIIV WSMCQLYLVP PPPSGPFTSSLG GAGFSDDPFKSKQDTPALPPKK PAPPRPKPPS/GHRLPVPDGGGP GPPCSP/DPE*QQMPWDPVWGA RGSPPSPCPGPRKRCMCVVP RV IQHP SLLPSLVGRRSQQIWR S HPMPAAPPS
7563	37931	A	7617	3	1039	GSLMFQVPMVEIDGMKLVQT RAILNYIASKNLYGKDIKERA LYAMTHDDEAELRTPAACCKL *SECQFRTRVDAVRTMMIP/AFT QVLKSHRQDYL VGNKLSWADI HLVELFYVVEELDSSLISFP LL KVKLLASSVKPVPLPSALR WPA HAVAQNI VTSWLTGGRFIELKT VQILDRLELEKPCIDAEDECFT EWSTFTLLKAWDEY LKAWFA LHLL EAMFQPSDSGKSFIFNMS VGYNLEGQPLNPKNYSQGV P RVLKSHRQDYL VGNKLSWADI HLVELFYVVEELDSSLISFP LL KPHTHVDNTKKGSHPHMCA YT DYVNNPNDRMPQREITFVS
7564	37932	A	7618	2	698	NQKTVTMAGKPKLHYFN GRGR MEPIRWLLAAAGVEFEKFIGS AEDLGKLRNDGSLMFQQVPMV EIDGMKLVQTRAILNYIASKN LYGKDIKERALIDMYTEGMAD LNEMILLPLCPAAEEDAKIALI KEKIKSRYPFAFEKVLQSHGQD YLVGNKLSRADISLVELLYYV EELDSSLISNFP LLKALKTQNP ATLPHG*RSFLQPGSPRKP PAD AKALEEARKIFRF
7565	37933	A	7619	102	825	RNLQETA IMAEKP KKLHYFNAR GRMEPPRWLLAAAGVEFEK F IKSAEDL DKLRNDGYLMFQQV PMVEIDGMKLVQTKAILNLHLP ANYNLLMGKDIKGREP*FDYVF *EGFSQILGLN*SSFLPVC/PPE/E KDAQALPLIQEKTKNRYFAFE KVLKSHGQDYL VGPTSLRGW TFIWWELLYYVEGA WTPRLISS FP LLKALKTRISNLPTVKKFLQP GSPRKPMPDEKSLEEARKIFRF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
7566	37934	A	7620	2	1256	CHCGPP/VKVEAYGSQVLKGVLAQVQLTVGPVGRTHPVVIFPV PECIIGIDMLSSRQNPHTGSLTG RVWTIMVRKAKWKPLELPLPR KIVNQKQYHIPEGIVEISATIKD LKDAGVVIPTTSPFNPIWPVQK TDGSWRMTVGYCKLNQVVTP AAAVPDVVSLLLEQINTPPGTWY AAIDLANDFFPIPVHKAHQKQF AFRWQGRQYTFVLPQGRWEI NMTKIQQPSTSVKFLGVQWCG ACQDIPSKVKDKLLHLVPPTTK K/EAQCLSGFRREHPIHLPIYRV SRKAANFEWSPEQEKALQVVQ AAVQAAWPLGPYDPADPMVLE VSVADRDADWSCWQASI/GHK VGHAQQHSIIKWKWYIRDWAR ADPEGTTKGQGRWWQLAE RQDSRDREAAIGERQETA VGKT ARDGEAVCD
7567	37935	A	7621	1	518	MTVDYCKLNQVVIPIAAAVSD VVSLLLEQINTSPGTWYAAIDLA NAFFSIPVHKAQQKQFAFSWQG QQYTFTVLPQWYINSALCHNL IRRDLDCFSPLDITLVHYIDDI MLIGSTIKWVVHSS/DSIIKWKW YVHDWARAGPEGTTNGLAG*S GTCKKHEWKTGDKGIRGRG
7568	37936	A	7622	1	696	
7569	37937	B	7623	1	1014	
7570	37938	B	7624	1	837	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7571	37939	A	7625	1	2592	MVRKAKWKPLQLPLPRKIVNQ KQHRIPGGTVEISAITKDLKDA GVVIPTTSPFNSPIWSVQKTDGC WRMTVDYCKLTQVMTPIAAV VPDVSLLKQINTYPGTCKIFLG VQWCGACRDI/PSKVKDCLLHL APPTTKKEAQLVLGLFGFWRE IIIPHGLVLLQPMYQVTRKAASF EWGLEQEALQQVQAAVQAA LPFGPYDSADPTVLEMSVADRV AVWSLWQAPIGESQWRPLGLW SKALPFSADNYS PFERRLLACY WALMETEGLTMGHQVTMQPE LPIMNWVLS DPSRHKVGHQAQQ HSIIKLKWIYICQARAVPEGTC\
						*LNKEVAQMP/MGTTTRKWTAA ALQSLSGISLKDSGEGKSSQWT ELQAVHLVVHFAWKEKWPGT WKKHDWKTGDNEIWGRGIWM DCSEWSKTVKIFVSHAHEPSGH GGRDGGYAWAQEHLSFTKAD LATGIVEPCICQQRPPLSPRYG TIPQGGTFILTGINTYSIYGFAYP AHNASAKITIRGLTECLIHHGI PHS/IVSD*GTHFAKDVETRIH RPRNQGVVEVAPLITITRSDTL AKFLLPVPTTFRSANLEVLLE GGTLPFGDPTTIPLNWKRLRPR GHFGLPLPLSQQAKKGVSULA GVTDLDYQDEFSLLLHNRVTA AFPSLLHSSFAYLDNMIEKANK CHVEGDVHVS DPAQRRECDRH
7572	37940	A	7626	20	238	
7573	37941	A	7627	3	229	
7574	37942	A	7628	1086	1369	ETGMLPLRLKLPFLSDFAGPLH TSIMPTRRFCSKSPT*HTLATAL SQGLS*GT*NEASLTKEKVGKN RCRYSYSPPSGIREGKAQLCFY THWK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7575	37943	A	7629	1	1805	MSGRSRGRKSSRAKNRGKGRA KARVVRPAPDDAPRDPDPSSQYQS LGEDTQAAQVQAGAGWGGLE AAASAQLLRLGEEAACRLPLDC GLALRARAAGDHGQAAARP GP GKAASLSERLAADS VFVG TAG TVGRPKNAPRVGNRRGPAGKK APETCSTAGRGPQVIAGGRQKK GAAGENTSVSAGEEKKERDA GSGPPATEGSMDTLENVQLKLE NMNAQADRAYRLRSRKFGQLR LQHLERRNHLIQNIPGFSGQAF *NHVLLASFLNSQEKVEVLSYLN SLEVEELGLARLG YKIKFYFDR NPYFQNKVLIKEYGCGPSGQVV SRSTPIQWLP GHDLQSLSGQGNP ENNRSFFGWFSNHSSIESDKIVE IINEELWPNPLQFYLLSE GARVE KGKEKEGRQGP GQPMETTQP GPLSFVWVAVSPSWLPGQQGP QELPVD RGPLPVHETHYTPPQL SRNPTGCQTDGRAGLPVTPCDK KALPCAQC FVSHLLYCMGLQP RQKEKINPEVSSITNVAPKDME KVHAGALDKPMCGRQGKESQ GATHHATPSAISPA SHPLGSSE TLIDGLAHFLEHSQINPSLLSR VLIQRQHLRHVAVTNG
7576	37944	C	7630	66	206	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 5,402,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7577	37945	A	7631	3	1643	VQASQAEADQQQCTCLKQLQ/S\ QLSRL*KQAIELREAVEQHKVK NNDLREKNWKAMEALATAEQ \ACKEKLHSWTQAKEES/ERNQ LCLIEAQTMALLALLP\ELSVL AQQMYTEWLQDLKEKGPTL/L KHPPAPAEPSFGTWAFQV*GEA E\ETQSTICRAEF\DQYRSILGGD GRALLRDLQKSVEEEEQ\W/R AKVGAAEEELQKSRVTVKHLE EIVEKLGKELES\SD\QVREHTL HLEAELEKHMAAASAEQNYA LLEVAG\LRQLLE\SQSRLRPP KNRNPQKTEPMSFALGQASS*V KLKSHVED\GDIAGAPA\SSPEA APQPSRDPRSA*RTQLELDQKPI PWRMRQTTSRQKLHGSPFEAE SDLRACSVYKEGFWEKLPHSA APPRSFFRNRRRAFTA*RRDLEK RGRSLTSD\LGARPRRLQELSE RRTQEQLGKGRRTRVKKLQEI/Q L\EKAEDGSS\SKEGTSVL.SFLFG KKKLLFQLYQNALTHSFTIKPT NLHSVYPGPNFV\LREKAHEET SLFRRPQEVRTFPGGPILLNGTC
7578	37946	A	7632	3	247	
7579	37947	A	7633	3	389	GQEFSPKVY/FVNQTMGN/SCG PIGLFNAVANNQDKLGFY\GP LLNQFLF*NR*KCPPKDRAKCF ER\NEAIRAAH\DAVDKEG\QCR VDDQGEFFFLFCLQNVDPSPM NLDG\RMPPFRGPMAPSFRTP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, v-possible nucleotide insertion)
7580	37948	A	7634	1506	3135	RGLGGGLAEQELQPWSPERSPV HNN/RM/QEKS LKDL MEL KTM AQELRDECTSLSSRFQLEEKV SVMEDEFINEMKQEEKVREKRIK RNEQSLQEIWVYVVRPNLHLIG VPESDRENGTKLENTLQDIQEN FPNLRQANIQEIQRMPQRY SRRATPRHIIVRFTKVEMKEKM LRAAREKEIQTTIREYYKHLYT NKLLENLEEMDKFLDTYSLPRLN QEEVESLKRPTGSEIGAINSLP TKKSPGPDGFTAIFYQRYKKEL VPFLLLKFQSTEKERILPNSFYE ASIIIPKPGRDITTKENFRPISL MNINAKILNKILANQIQQHIEKL IHHDQVGFIPGMQGWFNIRKSI NVIQHINRTNEKNHMIISIDAEK AFDKIQQPFMLKTLNKLIGDGT YLVIVRAIYDKLTANIILNGQKL EAFPLKTGTROGCPLSPLLFNIV LEVLAIRAIQEIKGIQLGKEQ VKLSLFADDIMIVYLENPIVSAQ NLLKLISNFSKVSQYKINVQKS QAFLYTNNRQTESQIMSELPFTI
7581	37949	B	7635	1	594	
7582	37950	A	7636	434	744	TLACLARLGKFSWHISCRVFSNL VPFSPSLSGTPIRRRFGLNVRVT ATRILRFSDRLKKRRTRTRYPTP GSEGPTPTESR*LLAQQSEIKLQ GGSEAGGGAPA
7583	37951	A	7637	1	1077	
7584	37952	A	7638	1	348	
7585	37953	A	7639	1	831	
7586	37954	A	7640	275	457	LIAYQPK*AQDYMDSQLNSTRG TKKSC*GRL*GSGVHIGSMVPV TRTAGLPFFAGPCR
7587	37955	A	7641	341	504	ILRFSDRLKKRRTRTRYPTPGSQ GPTPRESR*LLAQQSEIKLQGGN EAGGGAPA
7588	37956	B	7642	1	627	
7589	37957	A	7643	121	375	DGQQIALHRLALRELQQAVH AGLPQQA KILFDGGSEIGIKH*L RCAHCPLSSRETCRASCINESAT RGERPFAYWAPGWFFHHQ
7590	37958	A	7644	3	479	
7591	37959	A	7645	382	642	
7592	37960	A	7646	273	1464	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
7593	37961	A	7647	76	1763	IFGITRFLPFIYQKIHIFSKEQLPD LHSHFSDLNLEAHMYASQWFL TLFTA KFP LCMVFHII D L L L C E G LNIIFHV ALAL KTSKEDLLQA DFEGAL KFFRVQLPKRYRAEEN ARRLMEQACNIKVG VYTGT EL Q*DFSLDSLVS WSDSCCGK ASWQDDGRNLHYGSL*RPCFQ PAAR*RLPH*SGGHQQAQVYG TNK K L K K Y E K E Y Q T M R E S Q L QQEDPMDRYKFVYL*VTPAVA FILGIFIRS*EKERGKRKWLSTF KNETKRKNGKVL F*L C M S Y P Q RLLAGELFQD*HKDVSNLPLSV ENVKNTNSLGRKNKNHK\REN RRLQEASMRLEQENDDLAHEL VTSKIALRNDLDQAEDKADVL NKELL LTKQRLVETEEERKQ E EETAQLKEVFRKQLEKAEYEIK KTTAIIAEYKQICSQLSTRLEKQ QAASKEELEVVKGKMMACKH CSDIFSKEGALKLAATGREDQG IETDDEKDSL KQLREMELELA QTKLQLVEAKCKIQELEHQRG ALMNEIQAAKNSWFSKTLNSIK TATGTQPLQAPVTPQPPKEST
7594	37962	B	7648	1	618	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7595	37963	A	7649	1	2375	MAGAPPPASLPCCSLISDCCAIN QRDSVGVVRPSKPGAGYNLVVR RFLSLLEKRSIPVGVTRFSRCRP SPLSLTRKGNSLTPCASRIINMH FQAFWLCLGLLFISINAEFMDD DVETEDFEENSEEIDVNESELSS EIKYKTPQPIGEVYFAETFDSSGR LAGWVLSKAKKDDMDEEISY DGRWEIEELKENQVPGDRGLV LKSRKHHHAISAVLAKPFIFAD KPLIVQYEVNFQDGDCCGAYI KLLADTDLLLENFYDKTSYIIM FGPDCKGEDYKLHFIHRKHHPK TGVFEKHAKPPVDLKKFFTD RKTHLYTLVMNPDDTFEVLVD QTVVNGSLLEDVVPPIKPPKEI EDPNKKPEEWDERAKIPDPSA VKPEDCALGLELWSMTSDIYFD NFIICSEKEVADHWAADGWRW KIMIANANKKKHKDTEYKKTDI CIPQTKGVLEQEEKEEKALEK PMDLEEEKKQNDGEMLEKEEE SEPEEKSEEEIEIEGQESNQSN KSGSEDEALAEQPREPGVPGP IPPKRPSRSPPEPRAAKRLPTQE LRGESYTMASGTARGSPKER LGLTTKTGEKVAQGFCREPGL RRPPNAQARDRSSRAPATHRKE LKPEREHISCSRSHIRYQEWVSL RDTVHRNLVLDTRKHPALILVE YKERTSSPATEQSCMENDFDEL REEGFRRSVITNFSEKEDVQT
7596	37964	A	7650	914	2786	
7597	37965	B	7651	1	2369	
7598	37966	A	7652	333	752	MSYVSRVYCGGRKNVATVSKG WAGSLA WPGGFPKVKVGGGS WRPSGGV/DVAA PVRARLALL SGPIASESPLTTNPHSHSARRPR TYI/GHAPALRVTN/PESFSYWG TRGPSATMACDGLTRTGHSPTS RARSPLLCARSL
7599	37967	A	7653	1	177	RPLPSRPHAAPPGHHTISSGPCG HRKFSKAGDSNTPKTRSRPRV SCALPPDVRGSWLS*KWNQIW YHTLPQPQENTPKSQENKPKSK PQPTQR*TRGPW/PSSRCRVRSG /THRRPGLFSL*KQ/PSESIHRSR ALSAFTPAEMIISTLPPPTTSKSPL AARAAPPNG*SPKAGDSNTPR TRSRPRVSCALPPDVRGSWLS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7600	37968	A	7654	1	1430	MQDTCSEIISPADFTPTFSSSLKIR FSTDSPSQIFKKKHCIQKIVLLLP KNSYTRRLVSNQMYLESFEH QCRKTHILCKRTAGSGPFCSCPT GQPRHNSSASKCPASERGLCLK/ PKSKREKREPGVAPAPLHAAP SSPGLGAPQLR*PGRTRSGFRD HVGSGPPRAGPRLFAPRPVLS RCSANPSGSPHTQSPKQSSGTQI SGRADQVCGCWIRKRGVPGAA RGSPGCARTCHSRGHPHAAPFP QCNSLAPSAAGLWRTQNAGP SG/HAQPSCPPPVPL*PPHPH*G LSFSSCSRSWVPNTTP/EPREGE GQVPGRRASAPGASFAPGT/P RAPQLPHFPVAQSPPAVAA SSECKREARRSPGASALHLP KSARPRQAPCPTLTDGGHIFPAS AARP*HKGHQTAEGKNPGRAD TSTSPFATFFISGGEKSRSPVL PERTRQREEAGPPSSPLRGLW LTFWVFL
7601	37969	A	7655	1	609	
7602	37970	A	7656	3	649	AKD/ELHIVEQGHDIRGRSIKIT/ LATLKMS/VQPTFS/LGGFEIQPT VV*GLKCVSGPCHISGQHLVA/ VEEDAEESEDEEEENVKLLSISER RSAPGVVSMVPQKKVK/LAAD EDDDDDDEDDDDDDDDDDFD DEEAEEKAPVKKSIRDTPAKNA QKSNQNGK\DSNPYSHPRSQG/ QDPFRKQKTPKTPKGPSSVE DIKAKMQASIGKKRIEVLGTy
7603	37971	A	7657	1	1013	PWCDSVLRGCSLEQRFSFISVRL SYLSACRHPMEDSMMDMSPL RPQNYLFGCELKADKDYHFKV DNDENEHQLSLRTVSLGAGAK DELHIVEAEAMNYEGSPIKVT\A ATLKMSVQPTVSLGG/FEITPPV V/LRLKCGSGPVHISGQHLVA/ EEDAEESEDEEEDVK\LLSISGK RSAPGGG\SKVPQKKSKTCML MKDDDD\DEED\DDDD\DDD DF\DEE\AEKAPSERNL\YRDT PS\AKNAQKSNQNGK\DSKPS TPRSKGTIPSKKQKTPKTPK\ GPSSVEDIKAKMQASIEK\GGSL PKVETKFINYVK\NCSRM\TDQE A\AQDLWQW\RKSL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met bod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *Stop codon, /-possible nucleotide deletion, v=possible nucleotide insertion)
7604	37972	A	7658	9	271	GRVCKALWHSDDWHTARVLCIN STTTITASCNP/RHTARRSI.TTPT *MCRLENWTKNLLFNGPVPVVL VMSSLFIASVFMHLHWGKYTRS
7605	37973	C	7659	189	500	
7606	37974	A	7660	5	291	ATPSPSPPG/VPT*RPELLGP ERLLGPEGS/PGGALPGVPPSR FVRTASSTLFLPPSRPAFPSSIP LVSPSPRHCARSRETWPRTLRI SAP
7607	37975	A	7661	1	431	LALQFSFLQNRQGLNLLIAEKG RLCIFLNEECFCYLNQSGLVYD NIKKLKDRVQKLANQANNYAE PPWALSINWMSWVLPILSPLIPV FLLLLFGPCVFCVLSQFIQNRQ AIANNI*QMLLLTTPQYQPLPQ NLSSVESLPL
7608	37976	B	7662	41	1547	
7609	37977	B	7663	74	298	
7610	37978	A	7664	3	647	ELWTRGPRKRQNGSSKPLWLL YGESGAQKSVVEVTKPRLLWP QWQHRRARRPCLQQAPCSSRPH APASLPSSSPTARDTKHRAQV KTTDSGARRRDGRVLGVLEVS RSIADGQYKRCGVTSVPD/IRR C/QLTPQ*PGSILLACDGLFKVF TPEEAVNFIL/SCLEDEKIQTR REG KSAADVRYEAA/CNMLANKA VAAGARPDNVTVMVVRUGH
7611	37979	B	7665	1	1302	
7612	37980	A	7666	3	1268	SCARVAAWGGKLRRLGLAVSRQ AVRSPGPLAAAVAGAAAGAG AAWHHSRVSAARDGSFTVSA QKNVEHGIIYIGKPSLRKQRFM QFSSLEHEGEYYMTPRD/FLFSV MFEQMERKUQSRS*QKRFIETD LSGIPTAGCGSFFQRPWAIKGL ISYNRVIFFALQSSLNPIPGFH VAFKMLDTDGNEMIEKK/ENFL SCRRS*VNKMT*LTVKTNETWI SGSNK*KNLKL/DTLQMRFFG KRGPRKLHYKEFRF/WENLQT EIQGN/VEFLQFSKGLSFMKR RLTQSGYFFSTNTENKDIYWK NV REKLSAGESISLDEVKAFCHCT RQIGTLCTY/SAMQMFTLAHRPV RLAEFKRAVKVATGQELSNIL DTVFKIFDLGDDECLSHEEFLG VLKNRMHRGLVGTSTTSEYTRIL EVCEERKH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, ▽possible nucleotide insertion)
7613	37981	A	7667	2	342	QNRGPGRT*DFLPNS/VGEKILS FCNCSLGSIGALGPACCRVLSEL SEEQVFHVNYLDVEELSLRLC QCLVELSFQLATAYHGSATTRE AARGEAAACRAHLMFWCLCIWQ FCRL
7614	37982	A	7668	1	1166	VGCVLGRVEAAVTAPAGTEE GMSEEEQSGSTTTGCGLPSIEQ MLAANPGKTPISLLQEYGTIRIG KTPVYDLLKAEGQAHQPNFTF RVTVGDTSCGTGQGPSKKAACH KAAEVALKHLKGGSMLEPALE DSSSFPLDSSLPE DIPVFTAAA AATPVPSVVLTRSPAMELQPPV SPQQSECNVPVQALQELVVQKG WRLPEYTVTQESGPAHRKEFT MTCRVERFIEIGSGTSKKLAKR NAAAKMLLRVHTVPLDARDG NEVEPDDHFSIGVGFRLLDVL QNRGPGCTWDSLRLNSVGEKILS LRSCSLGSLGALGPACCRVLSE LSEEQAFHVSYLDIEELSLGLC QCLVELSTQPATVCHGSATTRE AARGEAAARRALQYLKIMAGSK
7615	37983	A	7669	2	328	
7616	37984	A	7670	181	1271	LEASLDQH*ASVHSFRSHIHVIS RTHRKISQRPSELDAEHAQKV LEMEHTQQMKLKERQKFFEEA FQQDMEQQYLSTGYLQIAERR GEWGLGLLVWGLTGACGCHD SSWGLVRWYKCYSKFVDEPC LQFERNCKPIGSMSSMEVNVND MLEQMDLMDISDQEALDVFLN SGGEENTVLSPALGRVDKLALA EPGQYRCHSPPKLQQWCGSVM NSSQRFDMLHSGNFEIHLSELL VVKDWRLQGGADSPAGLTGNS SLFVRQAFRGVPAMGKAMGSS QVLQAPGPESSTCQNEITLQVP NPSELRAKPPSSSTCTDSATRD ISEGGESPVVQSDEEEVQVDTA LATSHTDREATPDGGEDSDS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
7617	37985	A	7671	60	965	QRGVGGVGRGRQRQQPEA* GEETAAAAMLETLRRLRLSVQ QDFTSGLKTLSDKSREAKVKSK PRTVPFLPKYSAGLELLSRYED TWAALHRRRAKDCASAGELVDS EVMMLSAHWEKKKTSLSVELQE QLQQLPALIADLESMTANLTHL EASFEEVENNLLHLEDLCGQCE LKRCKHMQSQLENYKKNKR KELETFKAELEDAEHAQKVLEM EHTQQMKLKERQKFFEEAFQQ DMEQYLSTGYLQIAERREPIGS MSSMEVNVDMLEQMDLMDIS DQEALDGLPELWRRREHCAVP
7618	37986	A	7672	1	124	
7619	37987	A	7673	3416	3920	CCLIKNDIKEKLHYSDCRLNVG QPCILPRNAFEFDLLIFYLGNLH FYISEIGLLGYCTFFFFFEMESC SLTQAGVQ*CNLGPLQLPPGL E*F/SCLSLPSSWDYRHHVPPHWL IFVFLVEMGFCYVQGAGLEFLT SGDPPTSASQARITGVSHHAQ PGYCILILGFC
7620	37988	A	7674	1	387	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, / =possible nucleotide deletion, \ =possible nucleotide insertion)
7621	37989	A	7675	1	1827	MKKVGGRVFWAKERASAEAL RHELAGLLKCKKGSAADADQG GLGQGCRRRHRSRWEFGTRGAS RAARLGNEEQDAASAGPGPNG CGHLGAEEPSAAASGMDQCVT VERELEKVLHKFSGYGQLCER GLEELIDYTGGLKHEILQSHETC LSVLLSLPMVMAGSGLNKVL QLCRFLHMKTTGEMNYGFHLA HHMALGTSIFGEEGRYSLSTS NSSIAALLCALYPHFGFTALD NRYHLQVALR/HLVVLAAEPRA FLVPVCGGTQTRPCYALLGSLP YKGTQWYEQTKEDLMAPTLL PELHLLKQIKVKGPRYWELLID LSKGTQHLKSILSKDGVLYVK LRAGQLSYKEDPMGWQSLLAQ TVANRNSEARAFKPTISAFSTSD PALLSFAEYFCKPTVNMGQKQ EVLDFSSVLVECVYPRETPAE MLPAYIAMDQLIRRLGEREMS ETSELWQIKLVLEFFSSRSHQE RLQNPPPKRGALLMELGNSPPF CKCTNNNTLDTWLQVRGDIC VNAYLTGQPLAEESSQDMLACF LVFHFVPSSTALPTL*D*KGSTS FAVELLFKFKASLKMPSAELCLR LAPLPSLEIPQNGDVTVSGGEP
7622	37990	B	7676	374	515	
7623	37991	A	7677	102	1237	HSRAACPDNTNRLVPGASR*HY LHRCRSRHSS/NIGKNI/HSLRA GAVNNQSRPQSHSSGEFSLHD HEAWSSSGSSPIQYLKRQTRSSP VLQHKISETLESRRHKIKTGSPG SEVVTLQQFLEESNKLTSVQIKS SSQENLLDEVMSKLSVSSDFLG KDKPVSCGLARSVSGKTPGDFY DRRTTKPEFLRPGRKTEDTYFI SSAGKPTPGTGKIKLVKESSL RQSKDSNPYATLPRASSVISTAE GTTRRTSIHDFLTKDSRLPISVD SPAAADSNNTTAAASSEYHLHQ WSSHLDIPTHTIGSCAQNDLAI DMPEPLYAQARNSTRGRSHFL NQTFATIRMPSDAFGLAKDK HRTIYCGPFISAILPEYRIS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7624	37992	A	7678	1256	1971	HNCALHADSTMRGKAPLFRPT YKLMQELLLRIFRWISQKQCNV EVTSLICWF/CTCTYSGWVEAYP TRTEKPYKKGKNDPSTKGQC NPLELVITNPLNPHWKKGERVT LGIDRARLDPRVNILVRGGEVY ERSPEPVFQTFYDELNVVPVEIP GKTRNLFQLAECAQPLNVTS CYVCGGTVTGYQWPWKAREL VPVDPVPDEFLLAQKNYPDNFW VLKPSITGQYCIAREGKKFTHP
7625	37993	A	7679	1	1710	
7626	37994	A	7680	1	561	
7627	37995	B	7681	1	642	
7628	37996	A	7682	2	611	
7629	37997	A	7683	1	1718	MLSIQSTHAEKELEFFQNTED WYFHTSHHLSLRFFSARESN SMKLYEEAYMERYRDFLPATM WSAHEVDVPGQATWIKQKSE KDPVHLQKKGKNGPSTKGQC PLELVITNPLDPCWCKEERVTL GIDGAGLDQVHILVRGEVYKH SPEPVFQTFCEDELNVVPVEIPGK TRNLFQLAHHVAQCLNVTS YVCGRTIIGDQWPQEAQELVPT DPVPDEFLLAQKNHPDNFWVLK A/IIHQYCIAREGKEFTHPIG*L SCRRQKLYNGTTKTIT/WRGSS NHTERNPFSKFPKLQTVWTHLG VPRAWEQPPLGFLGYVRAW LLTGLLDHWAGSCCLLGTIKPS FFPTAP*KQGKLLGFPVYASRE KRHAIENWKDDWPPERIIQY YGPVTWAQDGLWGYQTPYVVL NRIIRLQAALHITDKISRALTIL AWQETQMRNAISQNRALDYL LAAEGGVYGKFNLTNCLHVD DQGGVVEDIVRDRTKLAHVPV QVWHEFDPGAMFGKWFPALG GFKTLIIGVLIVIGTCLLPCLLP VLLQMIKSFIALTVHQNASAQV
7630	37998	A	7684	3	406	TLISFIYPAQNPELLNKLQRKT TVLAMDQVPRVTIAQGYDALS SMANIAQ/YLIVGGGVAGLASA GAAKSMGAIVRGFDTRAALAE QFKSLGAEPLEVDLKESEGEGG GYAKEMSKFIEAEMKLLFAQQ CKEVDI
7631	37999	A	7685	1	236	
7632	38000	A	7686	1	978	
7633	38001	C	7687	415	453	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7634	38002	A	7688	3	408	
7635	38003	B	7689	1	2137	
7636	38004	A	7690	112	3688	GNWGARKLGTHINMANLLKTV ATGCSCPLI.NNLGSCKGLRVK KDFLRTFYTHQELWCKAPVKP GIPYKQLTVGVPKEIFQNEKRV ALSPAGVQNLVKQGFNVVVES GAGEASKFSDDHYRVAGAQIQ GAKEVLASDLVVKVRAPMVNP TLGVHEADLLKTSGTLISFIYPA QNPELLNKLSQLRKTIVLAMDQ VPRVTIAQGYDALSSMANIAGY KAVVLAANHFGRFTGQITAA GKVPAPAKILIVGGGVAGLAS
7637	38005	A	7691	2	288	EFPATIQSNRARGAKPGRRVDR GPQARCFDVGCGPRSPAPSNGLR NSEPSP*GR/CGRSPVSPALSSSR DVNL.PCMLSSGTDGACSEVLV GTLYRPL
7638	38006	A	7692	54	522	RFHMSSLSASPPRRLLWTQMNT QCLVFSASHLPRCQEMLFQGT *EKPHSPRCFSPAKKPRPAGAPA ASHKCR/CT*PGPPSEPTV/PSD KAPLVGNAESQSVASPSGPPAP CSPVAGWPGTYKAIPASGTVAP TPLSAGTTDMTRLCLPSLEFL ND
7639	38007	A	7693	3	57	RAGAGRSERAVAEES*GGLSGS CGRHNPGQSRQLRRPSQDVELE DCCRCG*SGSLWRLRLPKRPA PFGGFSVPASSAASIPTGSAVVQ PGPLPGPTGKSPPVFAGSGPSSN PQPAFS\NMRTDGSKPGSA/SF APLTPPLEPAGLRAPSSGVSP LPATIQSNRARARSPGDA*AAP PRPGVLTSAVPLPRRV/CLRNS RAFAPAVRTNAVTP*PGGVSGP SQRRAEAA
7640	38008	A	7694	3	237	
7641	38009	A	7695	114	186	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7642	38010	A	7696	73	904	FGGFLANLSYQEALSDTQVAIV NILSSTSGFLTILAAVFPNSNGD RFTLS*ELLAVILSIGGVGLVNL AGSEKPAGRDVTGSIWSLAGA MLYAVYIVMIKRKVDREDKLD IPMFVGFAGLFNLLLVPGFFL LHYTGFEDEFPPNKVVLMIHIN GLIGTVLSEFLWLWGCFLTSSL IGTLALSLTIPLSIADMCQKV QFSWLFAGAI PVFFSFFIVTLL CHYNNWDPVVMGIRIFAFICR KHRIQRVPEDSEQCESLMHSV SQEDGAS
7643	38011	A	7697	1	308	
7644	38012	A	7698	3	397	
7645	38013	B	7699	1	963	
7646	38014	A	7700	3	1433	KIRVTSKALELGKAQGGTGTG GSGRGWGRPNSSGKKEGHFYNN ISE*VGGGASRSGAGPWRWRG PRMLQITNASLGLRFRRLLYW FL*GPSTLRGVESGSGGLEVLW GSRDPAGRMKVSNNVSCQASVS RMHAAFGGTFK*APAPTAHPF RAPQLICLAQVWAATGRRVAR VGMLSL*EGPGELVAGESGCA AVMQHLRAGPFRALLFTSNLD MDFRVSCLGWCMTSDFLTRPL SLLSLQEERMVYVAFSEFFD SAMESYFRAGALQLLLVGDKV CHGLFVGWAREGL*QSSLPHC AGGGRDRATCTPVRPRRGAIAK PSGTTISVTASVTIALVPPDQPE VQLSMTMVRVPEWGGLLAGG QGKMGCGLLSR*AGALPCTSVI GGQSHLSTGMGWAGFVRS*PS PSPRKA/RGVMEERIGVNWNA GPD*ATNHAVSGGRMGKEGGP SPLSIAPQCHRPADVRASATPTP
7647	38015	A	7701	2	391	MALRGKALRTTSDLRFRRIYSN HSATWKSAL/L*IPLQAPLK/IM LPELG*MPQCSNERTWRGVQ DPHYPEGIKLCAMKVVTNPGGI PSPIGA*SPTFAKGLREVIEKNR PADVRAS/ATPTPSHSSCLSP
7648	38016	A	7702	1	189	
7649	38017	A	7703	202	455	KCDILPTALDSIHH/SSHRVHLA HSPHSLQ**HPHPLAQPSQQRDP SVPL**MSLADPESHLSHSHF HL*PACRV*AYDLLPL
7650	38018	A	7704	313	378	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, * = Stop codon, / = possible nucleotide deletion, \ = possible nucleotide insertion)
7651	38019	A	7705	126	1246	PNGLRPPCPSASETPGNAPVCD PGSSSQGAQGKLNAAWAPGM A/ASRSLHSLHPVR/RACALPAQ SLLGPLRSFRCHLSDPVFRTGAP PGQGSWQYKVLVHAQERELTQ LREKLREGRDASRLNEHLQAL LTPDEPKSQGQDLQEQLAEGC RLAQHLVQKLSPENDNDDED VQVELAEKVQKSSAPREMOKA EEKEVPEDSQEECAITYSNSHGP YDSNQPHRKTKITFEEDKVDST LIGSSSHVWEDAV/HHYSRK* K***GRGRKRASVSQKPEETPS\ PRPEPPPRGSGEAERSVGSWDA SSRSLRRLHPLREPVPILPSRFR GRCGASAAIFGSCVPHGGSTRA GMMGSKEVGKGGDPGEETSPV ALFS
7652	38020	A	7706	3	5665	LLEKLQRRIHDKAVALERAIDE KFSALEEKEKELRQLRLAVRER DHDLERLRDVLSSNEATMQSM ESLLRAKGLEVEQLSTTCQNLQ WLKEEMETKFSRWQKEQESIQQ QLQTSLHDRNKEVEDLSATLLC KLGPQGSEIAEELCQRLQRKER MLQDLLSDRNKQVLEHEMEIQ GLLQSVSTREQESQAAAEKLVQ ALMERNSELQALRQYLGGRDS LMSQAPISNQAEVPTGRLGK QTDQGSQMIPSRDDST
7653	38021	B	7707	1	1098	
7654	38022	A	7708	193	5850	HCQRNTTGEHCEKCLDGYMIK S*DSLFGDVWN*LPIFASNFSFA EL*K*GFVRDYHK*TFVCS/CLL NP*GPEFVGKKIKRKKNHDAK YLNV*YS/CFRCAPGYGYNPLLI GSTCKKCDCSGNSDPNLFEDC DEVTGQCRNCLRNTPGKYCHIL SIKKCISRLFLFPTVCNCGGGP CELH*EQNFWFKNYFNRSRHPLP QTDVSWCSAKTACL*HAFDL*F *RNVSPPGCDKCVWDLTDALR LAALSIEEGKSG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7655	38023	A	7709	1	713	TPCFESPN/ETGTYFSTKAGYVL LN/ESSN/GIEFEIAFKVPRSSS GTLVHGHSVNGEYLVNVMKN GQVIVKVNNGIRDISTSVTPKQ SLCDGRWHRITVIRDSNVVQL DVDSEVNVHVVGPLGIQKPIDH REFVLVGGVPRILY*HPRFCPP QNPFTG/CIR/HFVIDGPPQWSFQ VKAAPGQAGARKASNSLSQQP GHGQKHSCKYKVPRLALEKE HKASPGGTVTLSPFGVGSFSS
7656	38024	A	7710	3	322	DGVSHCRPGWSAVA*SLTAT STSWVQMIACFTLPSSWDYRCT PPCLTNFCVCFISDRVWAMLA GW/LKNS*PQAIRPPQPPKVLGI TGHEPRAPGQKILTFHILT
7657	38025	A	7711	2	480	YSPPECPCFGKIEEHSDEMETH VKTKHANLLDIPLEDCDQPLYD CPMCGLICITNYHILQEHVDLHL EENVTFSKAWIESSVLVIYNWLT SFSKKKTERGD/PEESRQIEIEF QKLQRQYGLDNSGGYKQQQLR NMEIEVNRGRMPSEFHRKA DMMESLA
7658	38026	A	7712	187	468	
7659	38027	A	7713	1	1110	MHCIETGVERRILGLLLFRGSLA SVIRPGEVLDAAHALVCQRGPK GKPSGAQCSCWPLGRPKALT QLVPASFVCLACAFGAERLGDS ALRSSDLTHLLVNTMLSCNIC GETVTSEPMKAHLIVHMESEII CPFCKLSGVNYDEMCFHIETAH FEQNTLERNFERINTVQYGTS NKKDNTLQCGMEVNSSLGSC ASNHPKNSAQNLT KDSTLKHE GFYSENLTESRKFLKREKQSSSL TEIKGSVYETTYSPPECPCFGKI EEHSEDMETHVKT KHANLLDIP LEGMDRVQCSGDLQLAHQLQ EEDRKRSEESRQIEIEFQKLQR QYGLDNSGGYKQNNYEIWR* K*IGEECLHLNFGEKLI
7660	38028	A	7714	2	303	
7661	38029	A	7715	97	233	RTVTCYHRNSRACHPQQITSCP *HRALPCLPLWSPKCPSRWPF G
7662	38030	A	7716	229	359	MKVVVYCSVTGMGKGQHRMP SKG*GWVQRYNRDGPSPRVLE LF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in US 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /-possible nucleotide deletion, \-possible nucleotide insertion)
7663	38031	A	7717	1	1185	MSTIDDPRLQGRMCLMLRGT PEQKALVIGGEACMWGEYVDN TNLVPRLWLCPPSTQDLANEI REMTILHRHIPDRGKGVMRSCS FRTPRPFTLACGPEKSLMDPQS QSNSEGASSSLVVKLADTDRE ALRRMQQMAGHLGAFHPAPLP LGACGAYTTAILQHQAALLAA AQGPGLGPVAAVAAQMQHVA AFSLVAAPLLPAANAAPPSPGS PGTLPGLPAPGVNFGPLTPQT NGQPAPTRSTITIGSPLI/SGWSQ SRPILRIMKYAEQRIPTLNEYCV VCDEQHVFNQSGMLKIQPTII QVWREDIPVNYMKELELVTKA GFRALLSPWYLNRSYGPDW KDFYIVEPLSFEPTPEQKALVIG GEACMWGEYVDNTNLVPRLW AHRQL
7664	38032	B	7718	1	1196	
7665	38033	B	7719	184	1689	
7666	38034	A	7720	228	407	
7667	38035	A	7721	1	725	MQRGALSPVLMLSAAPEPPRP PPGLSPPGSGPGSGSRHGSARPG PTPEPSGSLGAALDSSLRAAVA FKAEGQRCYREKKFREAGKY HRALLQLKAA/LGGPP*RPARP RPPGPTSSPGPARLSEEQRRIVE STEVECYDSSPA/CLLQSELVNY ERVREYCLKVLEKQGNFRFP YRAGIAFYPLGDYARALRFLQ EAPSRPPDNTNVLRYIQLTLK MNRCSLQREDSGAGSQTRDVI
7668	38036	A	7722	1	262	NGKEPGRYTFEDAQEHYKLM KSDSYPRFIRTSAYQELLQAKK KGRNIPFPCHKNCTPTLRASTN LL*KEGKSLTSKRLTSLAQS
7669	38037	A	7723	1	1392	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, ∇-possible nucleotide insertion)
7670	38038	A	7724	1	1544	MAQGNNGYQTSNGVADESPN MLVYRKMEDVIARMQDEKNGI PIRTVKSFLSKIPSVFSGSDIVQ WLIKNTIEDPVEALHLGTLMA AHGYFFPISDHVLTLDKDDGTFF RFQTPYFWPNCWEPENTDYA VYLCKRTMQNKVARLLEADYE AESWA/RGLQRAFAPKWIEFIF MQAGAAQAKVDKKRDKIERKIL DSQERAFWDVHRPVPGCVNNTT EVDIKSSRMNRPHKTRKSVY GLQNDIRSHSPHTHTPTETKPPT EDELQQQIKYWQIQDLRHLK MSKVADSLLSYTEQYLEYDPFL LPPDPSNPWALSDDTTFWLEVA SKEPSQQRVVRWGFVAWDEGI GKTQLGRRNSFLKIF*EFRISGS GNFKVLGWASGRTLKRRPFKE VPSRVQEIWQFLAPGAPSAINL DSKSYDKTTQNVKEPGRYTFE DAQEHYIKLMKSDSYPRFIRSS AYQELLQAKKKGKSLTSKRLTS LAQSYLNGSSCSMNADWSHCT HFVAQCDCLEQRTLEQDVA
7671	38039	C	7725	81	439	
7672	38040	A	7726	531	686	GWQWLHRPPGATQHCNGNLP AEESLPARATN*ARPAAHTRGG RGQDLPPGG
7673	38041	A	7727	93	428	LHCQVHLSLIDLPLLSFLLLLF *D*VSLLLPRLECSGAISSHCSL H/LGPGSRDSPASAS*VAGITGT CHHVQLIFVFLLETGFHRVSQD GLDLI/NLVIRLPRPPKVLGLQA
7674	38042	B	7728	99	425	
7675	38043	A	7729	35	861	
7676	38044	B	7730	141	586	
7677	38045	A	7731	116	926	AEIVAQEVSEEGGKSRKGPQFG KSQYQELIRRSECGLNREGESI KANMQQVIYIPFITLAEEVRLP HSYPSKKTGLTLAAASIAIYISR *EWLYFETGTWVYPVFAKLSLL GLAAFFLSLYVFIASIVLLGEKL NHWKWVSVRNSTLILYIRMAK SHITQSPSLAHMPCSIKIEMAE VPSSAQSMNWCEKLLVFPPR*C CFLRPRDSVSPVFAWFILMHF NTRLFQEAFFGQPOILQRWRLE SVGICFQWPDWKSPAKHQLVK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *-Stop codon, /-possible nucleotide deletion, V=possible nucleotide insertion)
7678	38046	A	7732	32	394	GKAVLPIMRETLDGFHYQHCC PDLPGTDLGHPGSPDLGEVKFL SQT*EVTSLVQSGKVWR*WTAI CTHTSQLSISLLAFCLRSASATS LTLSHCVNVVKGGLDFKRRRG HSIGGAPEQR
7679	38047	A	7733	1	765	
7680	38048	A	7734	3	1295	QARVSQELKKAARKRTVSISEGP DTLGDGMRRERRETLALAPEPEP LEKEACEKWKRFPSASATSLT LSHCVDVVKAILDFKRRRHSI GGAPEQRYQIIPVCVAARLPTR AQDVLDAHLSEVQCCSFIPNS SLLATGGADRLIHLWNVVGSR LEANQTLEGAGGSITSVDFDPF G/SNQVLAATYNQAAQLWKVG EAQSKETLSGHKDKVTAAKFK LTRHQAVTGSRDRTVKEWDL GRAYFSRTIQCSFSYCNVDVCG DHIISGHNDQKIRFWDSDRGPHC TQVIPVQGRVTSLSLSDQLHL LSCSRDNTLKVIDLRVSNITARG FRADGFKCSDWTKAVFSPDR SYALATLPVMGPF*IWECGTPG KNWKKQELGTPIALPVQTPW PWCLLPSPHGETWTQGRKGC AFGSAHDLPALGWRLLEA
7681	38049	A	7735	123	463	DVEVGLISQLQDCELGCGIPLK VFPAVFRPLPLSLHTFLPLPLSRT LASGGDGATASCCRCPGA VSI S*L*QTVASP*VLVVFVHSRKEVT GKTARAI RDMCLEKDTLGLFLR
7682	38050	A	7736	1	489	
7683	38051	A	7737	1	423	
7684	38052	B	7738	1	900	
7685	38053	A	7739	1	1824	
7686	38054	B	7740	400	969	
7687	38055	A	7741	3	4781	EISATQII VCTPEKWDIITRKGGG RTYTQLVRLIILDEIHLHDDR PVLEALVARARNIEMTQEDVR LIGLSATLPNYEDVATFLRVDP AKVLFYFDNSFRPVPLEQTYVG ITEKKAIKRFQIMNEIYVEKIME HAGKINQVLVVFVHSRKETGKT ARAI RDMCLEKDTLGLFLREGS ASTFVLRTEAEQCKNL*LKDLL PYGFAIHHAGMTRVDRTLVED LFAIDKHIQVLVSTATLAWGVN LP*HTALFK
7688	38056	A	7742	2	518	